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Supplement No. 4
to ERS—368

ECONOMICS OF AGRICULTURE

REPORTS AND PUBLICATIONS ISSUED OR SPONSORED BY USDA'S ECONOMIC RESEARCH SERVICE

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PREFACE

Supplement No. 4 to ERS-368 lists research publications produced or sponsored by the Economic Research Service, U.S. Department of Agriculture, on agricultural economics and related socioeconomic studies during July 1971 through June 1972. It updates ERS-368 and Supplement Nos. 1, 2, and 3 to ERS-368, and includes citations for all ERS research divisions. Prior related listings are ERS-343 and ERS-430 (formerly ERS-350 and ERS-Foreign-167). Additional Marketing Economics Division publications are listed in ERS-205.

The listing is intended to include citations for all published material of more than temporary interest regardless of the form in which published or the current availability. Important among these are publications in Department and ERS series, periodic reports, articles in periodicals of the Department, and State experiment station bulletins which report results of State-Federal cooperative studies in agricultural economics. Articles in technical and professional journals, both within and outside the Department, are cited as well as proceedings of symposia and conferences which report important ERS research results. Publications are grouped by subject-matter areas and by ERS divisions responsible for research in such areas. Within each subject area, bibliographic entries are arranged alphabetically by author; entries without author are arranged alphabetically by title after the author listings. Articles by the same author are entered chronologically by date of publication.

Papers, speeches, articles in nontechnical journals, and other news media and informational or extension items generally have been excluded as not being of continuing importance. A few such items were included, if, at the time of release, they presented significant initial research results or findings not available elsewhere.

Citation of publications provides no assurance that copies are available. Generally, reference copies can be found in libraries. Publications from State experiment stations usually can be obtained from issuing stations. Some items produced by nonpublic agencies are available from the publishers. Many publications can be obtained from the Division of Information, Economic Research Service, U.S. Department of Agriculture, Washington, D.C. 20250. Photoreproductions (photoprint or microfilm) of material in its collection may be purchased from: Photocopy Section, National Agricultural Library, U.S. Department of Agriculture, Beltsville, Md. 20705.

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Compiled by:
Eleanor B. Lanier
Economic Research Service

ABBREVIATIONS

AER	- Agricultural Economic Report
AFO	- Agricultural Finance Outlook
Agr. Econ. Dept.	- Department of Agricultural Economics
Agr. Econ. Res.	- Agricultural Economics Research (periodical)
Agr. Exp. Sta.	- Agricultural Experiment Station
Agr. Fin. Rev.	- Agricultural Finance Review
Agr. Sit.	- Agricultural Situation (Monthly publication of the Statistical Reporting Service)
Amer. Jour. Agr. Econ.	- American Journal of Agricultural Economics
CAED	- Center for Agricultural Economic Development
CD	- Farm Real Estate Market Development
CS	- Cotton Situation (periodical)
DPS	- Demand and Price Situation (periodical)
Econ. Res. Serv.	- Economic Research Service
ERS	- Economic Research Service report
ERS-For.	- Economic Research Service, Foreign
Ext. Serv.	- Extension Service
FAER	- Foreign Agricultural Economic Report
FATUS	- Foreign Agricultural Trade of the United States
FCR	- Costs and Returns
FCS	- Farm Cost Situation (periodical)
FdS	- Feed Situation (periodical)
FGER	- Foreign Gold Exchange Reserve
FIS	- Farm Income Situation (periodical)
FML	- Farm Mortgage Lending
FOS	- Fats and Oils Situation (periodical)
Foreign Agriculture	- Weekly publication of the Foreign Agricultural Service
Jour. Farm Econ.	- Journal of Farm Economics
LMS	- Livestock and Meat Situation (periodical)
MRR	- Marketing Research Report
MTS	- Marketing Transportation Situation (periodical)
NFS	- National Food Situation (periodical)
PES	- Poultry and Egg Situation (periodical)
RS	- Rice Situation (periodical)
TS	- Tobacco Situation (periodical)
TVS	- Vegetable Situation (periodical)
TWS	- Wool Situation (periodical)
VPI	- Virginia Polytechnic Institute
WS	- Wheat Situation (periodical)

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1. BANKS, VERA J., and BEALE, CALVIN L. Farm Population by Race, Tenure, and Economic Scale of Farming, 1966 and 1970. Econ. Res. Serv. AER-228: 14 pp. June 1972.

2. BEALE, CALVIN L. 100 Million More People Coming Up. A Good Life for More People. Yearbook of Agriculture: pp. 2-7. Dec. 1971.

3. BEALE, CALVIN L. Impact of Changing Tobacco Demand and Technology on Population and Migration. Proceedings, Social and Economic Issues Confronting the Tobacco Industry in the Seventies. Univ. of Ky., Lexington, Ky. pp. 243-250. Feb. 1972.

4. BEALE, CALVIN L. Rural and Nonmetropolitan Population Trends of Significance to National Population Policy. Econ. Res. Serv. 20 pp. Mar. 1972.

5. BEALE, CALVIN L. Migration and Its Effect on Agriculture and Rural Development Potential. Presented, Natl. Symposium on "The Labor Force: Migration, Earnings and Growth," Muscle Shoals, Ala. 26 pp. June 22, 1972.

6. BEALE, CALVIN L. An Overview of the Phenomenon of Mixed Racial Isolates in the United States. Amer. Anthropologist, Vol. 74, No. 3: pp. 704-710. June 1972.

7. BEALE, CALVIN L. Needed Population Research. Research and the 1970 Census. Southern Region. Demographic Group, Oak Ridge Associated Universities, Oak Ridge, Tenn. pp. 139-150. 1972.

8. BIRD, ALAN R. Population Distribution Issues. A Good Life for More People. Yearbook of Agriculture: pp. 16-19. Dec. 1971.

9. BOWLES, GLADYS K., and OH, H. LOCK. Methodological Notes on a Study of the Educational Selectivity of Rural and Urban Migrants Between the South and the Rest of the Nation. Presented, Amer. Statistical Assoc. mtg., Fort Collins, Colo. 5 pp. Aug. 26, 1971.

10. PERKINSON, LEON B. Population Distribution in Non-Metropolitan Michigan, 1940-1970. Development and Public Affairs. Mich. Agr. Exp. Sta. Res. Rpt. No. 145: 12 pp. Sept. 1971.

11. RITCHEY, P. NEAL, and STOKES, C. SHANNON. Residence Background, Socioeconomic Status, and Fertility. Demography, Vol. 8, No. 3: pp. 369-377. Aug. 1971.

12. RITCHEY, P. NEAL, and STOKES, C. SHANNON. Residence Background, Migration and Fertility. Demography, Vol. 9, No. 2: pp. 217-230. May 1972.

13. VOELKER, STANLEY W. Population Trends in the Plains: Causes and Implications. Proceedings, The Great Plains Agr. Council, Fort Collins, Colo. pp. 1-6. July 1971.

14. WAN, THOMAS. Status Stress and Morbidity: A Sociological Investigation of Selected Categories of Work-Limiting Chronic Conditions. Jour. of Chronic Diseases, Vol. 24, No. 7-8: pp. 453-468. Sept. 1971.

15. Characteristics of U.S. Rural Areas With Noncommuting Population. Econ. Res. Serv. 80 pp. June 1972.

16. Farm Population Estimates for 1970. Econ. Res. Serv. ERS-486: 2 pp. Aug. 1971.

17. Farm Population of the United States: 1970. Bur. of the Census and Econ. Res. Serv. Farm Population Series Census-ERS P-27, No. 42: 11 pp. Aug. 1971.

18. Farm Population of the United States: 1971. Bur. of the Census and Econ. Res. Serv. Farm Population Series Census-ERS P-27, No. 43: 11 pp. May 1972.

RURAL MANPOWER

19. BAUDER, W. W., and BRATTON, C. A. Preliminary Report: Unemployment Insurance for Agricultural Workers. Cornell Agr. Exp. Sta., Food and Life Sci. Quart., Vol. 4, No. 4: pp. 9-10. Oct.-Dec. 1971.

20. BAUDER, W. W., and BRATTON, C. A. Unemployment Insurance for Agricultural Workers. Cornell Agr. Exp. Sta., Food and Life Sci. Quart., Vol. 5, No. 2: pp. 9-14. Apr.-June 1972.

21. BAUDER, W. W., WARLAND, REX, and RUESINK, DAVID. Unemployment Insurance for Agricultural Workers. Presented, Rural Sociol. Soc. mtg., Denver, Colo. 14 pp. Aug. 26-29, 1971.

22. LeRAY, NELSON L., and FRICK, GEORGE E. Northern New Hampshire Nonindustrial Resident Forest Landowners. N.H. Coop. Ext. Serv. (in coop. with Econ. Res. Serv.) Ext. Publ. No. 8: 19 pp. Jan. 1972.

23. LeRAY, NELSON L., FRICK, GEORGE E., and HAMMOND, LESLIE. Dairy and Farm Forest Organization for Optimum Utilization of Labor. Dairy Briefs, Vol. 17, No. 2: pp. 5-8. 1972.

24. McELROY, ROBERT C. The Hired Farm Working Force of 1971--A Statistical Report. Econ. Res. Serv. AER-222: 30 pp. Mar. 1972.

25. McELROY, ROBERT C. Agricultural Employment and Unemployment--Situation and Outlook. Econ. Res. Serv. 7 pp. Apr. 18, 1972.

IMPROVEMENT OF ECONOMIC AND SOCIAL CONDITIONS OF RURAL PEOPLE

26. BENDER, LLOYD D., and GREEN, BERNAL L. Trickle-Down and Leakage in the War on Poverty. Growth and Change. Univ. of Ky., Lexington, Ky. pp. 35-41. Oct. 1971.

27. BENDER, LLOYD D., GREEN, BERNAL L., and CAMPBELL, REX. The Process of Rural Poverty Ghettoization: Population and Poverty Growth in Rural Regions. Presented, Amer. Assoc. for Advancement of Sci. mtg., Philadelphia, Pa. 17 pp. Dec. 28, 1971.

28. BIRD, ALAN R., and COTNER, MELVIN L. Breakthrough: Looking Back from 2000. A Good Life for More People. Yearbook of Agriculture: pp. 382-385. Dec. 1971.

29. GEURIN, VIRGINIA. Educational and Occupational Achievements of Rural Youth in Relation to Educational and Occupational Aspirations--A Followup Study. Ph. D. dissertation. Univ. of Ark. Col. of Bus. Admin., Dept. of Mangt. 248 pp. 1972.

30. GREEN, BERNAL L. The Interface of Anthropology and Economics in Rural Development. Discussion of paper by Thomas Weaver, presented, Amer. Agr. Econ. Assoc. mtg., Carbondale, Ill. 12 pp. Aug. 15-18, 1971. Abstract, Amer. Jour. Agr. Econ., Vol. 53, No. 5: p. 841. Oct. 1971.

31. GREEN, BERNAL L., KARP, MORT, REDFERN, J. MARTIN, and MEENEN, HENRY J. The Emerging Role of Outdoor Recreation in the Economic Environment of Arkansas. Ark. Agr. Exp. Sta. Special Rpt. No. 18: 23 pp. June 1972.

32. HINES, FRED K. Effects of Welfare Reform on the Rural Poor. Econ. Res. Serv. Agr. Fin. Rev., Vol. 32: pp. 22-34. Aug. 1971.

33. HOLMES, O. WENDELL. A Profile of Disabled Household Heads and Spouses in Rural Areas of the Ozarks Region. Econ. Res. Serv. AER-217: 49 pp. Nov. 1971.

34. JOHNSON, HELEN W. Toward Balanced Development in the U.S. Rural Sociol. Soc., Denver, Colo. 13 pp. Aug. 27, 1971.

35. JOHNSON, HELEN W. Digest of Economic Development Division Research, April 1970-June 1971. No. 1: 27 pp. Oct. 1971.

36. JOHNSON, HELEN W., and COLL, BLANCHE D. Welfare Programs. A Good Life for More People. Yearbook of Agriculture: pp. 185-188. Dec. 1971.

37. KUEHN, JOHN A., BENDER, LLOYD D., GREEN, BERNAL L., and HOOVER, HERBERT. Impact of Job Development on Poverty in Four Developing Areas, 1970. Econ. Res. Serv. AER-225: 14 pp. June 1972.

38. LeRAY, NELSON L., and BOWRING, JAMES R. Undergraduate Training of AFDC Caseworkers. Welfare in Review, Vol. 10, No. 2: pp. 36-39. Mar.-Apr. 1972.

39. LeRAY, NELSON L., SHAW, GEORGE W., and JANSEN, EDMUND F. Household Income Status of the Elderly in New Hampshire. N.H. Agr. Exp. Sta. (in coop. with Econ. Res. Serv.) Res. Rpt. No. 23: 47 pp. Apr. 1972.

40. McCOY, JOHN L. Poor Rural People and Poor Rural Health: Some Problems and Consequences. Presented, Seminar on Issues in Health Care Delivery, Univ. of Va. School of Medicine, Charlottesville, Va. 14 pp. Nov. 1971.

41. MOTES, WILLIAM C. Rural Development: Economic Criteria for Assessment of Outcome, and for Research Inputs. Rural Sociol. Soc., Denver, Colo. 10 pp. Aug. 27, 1971.

42. NEIDERFRANK, EVLON J., and LeRAY, NELSON L. An Evaluation in Program Strategy to Assist Rural Families Faced with Limiting Conditions. Vt. Ext. Serv. (in coop. with Econ. Res. Serv.) PSD (2) - 33 (6-72): 43 pp. June 1972.

43. REEDER, WILLIAM W., and LeRAY, NELSON L. Some Implications of Social Theory for Public Policy. Presented, Rural Sociol. Soc., Denver, Colo. 48 pp. Aug. 28, 1971.

44. SCHMIDT, JOSEPH F. Occupational and Job Mobility in a Small Labor-Shed Area: Tippah County, Mississippi. M.S. dissertation. Miss. State Univ. Agr. Econ. Dept. 41 pp. 1972.

45. STUBY, RICHARD G. Report on the Subject of Rural Values as They Relate to Rural Development. Econ. Res. Serv. 25 pp. Dec. 1971.

46. STUBY, RICHARD G., and SMITH, WILLIAM. Some Factors Affecting Upward Mobility of Rural Poor Families: A Test of Miller's Typology. Rural Sociol. Soc., Denver, Colo. 21 pp. Aug. 27, 1971.

47. YOUMANS, E. GRANT. Age Stratification and Values. Amer. Sociol. Assoc., Denver, Colo. 12 pp. July 14, 1971.

48. YOUMANS, E. GRANT. Generation and Perceptions of Old Age. The Gerontologist, Vol. II, No. 4: pp. 284-288. Winter 1971.

49. YOUMANS, E. GRANT. Aging: Needs and Services: A Good Life for More People. Yearbook of Agriculture: pp. 197-200. 1971.

50. YOUMANS, E. GRANT. Age Group, Values and the Future. Triple Jeopardy: Myth or Reality. Natl. Council on the Aging: pp. 11-25. Apr. 1972.

51. YOUMANS, E. GRANT, and YARROW, MARIAN. Aging and Social Adaptation: A Longitudinal Study of Healthy Older Men. Human Aging II: An Eleven-Year Follow-Up Biomedical and Behavioral Study. U.S. Pub. Health Serv. Mono. No. (HSM) 71-9037: pp. 95-104. 1971.

52. The Economic and Social Condition of Rural America in the 1970's, Part 3: The Distribution of Federal Outlays Among U.S. Counties. Prepared for Comm. on Govt. Operations of the U.S. Senate, 92nd Cong. 61 pp. Dec. 1971.

ECONOMIC EVALUATION OF USDA FOOD PROGRAMS

53. MATSUMOTO, MASAO. Impact of the Food Stamp Program on Three Local Economies--An Input Output Analysis. Econ. Res. Serv. ERS-503: 37 pp. May 1972.

LOCAL GOVERNMENT ORGANIZATION, SERVICES, AND FINANCES

54. COCHEBA, DONALD J. The Land Market and The Economic Development Process in San Juan County, Washington. Ph. D. dissertation. Wash. State Univ. Agr. Econ. Dept. 251 pp. 1971.

55. GIBSON, W. L., JR., and WALRATH, A. J. Several Aspects of Real Property Taxation in Virginia. VPI and State Univ. Agr. Econ. No. 230: pp. 1-3. Jan. 1972.

56. HADY, THOMAS F. Rural Development Financing. Natl. Agr. Credit Comm. mtg., Chicago, Ill. (an outline only). Oct. 4, 1971.

57. HADY, THOMAS F. Rural Property Taxes--Where Are We Headed? Presented, Ann. Citrus Forum of the Florida Bankers Assoc., Winter Haven, Fla. 9 pp. Nov. 1971.

58. MARSHALL, J. PAXTON, GIBSON, W. L., JR., and WALRATH, ARTHUR J. The Real Property Tax: Adjusting to Reality. VPI and State Univ. Ext. Div. Misc. Bull. No. 152: 30 pp. Dec. 1971.

59. STAM, JEROME M., and HADY, THOMAS F. Alternatives to the Property Tax for Educational Finance. Presented, Seminar on the Crisis in Public School Fin., Resource Econ. Comm. of the Great Plains Agr. Council, Lincoln, Nebr. 26 pp. Apr. 1972.

60. VOELKER, STANLEY W. State Grants for Elementary and Secondary Public Schools in the Great Plains. The Great Plains Agr. Council Publ. No. 55: 27 pp. May 1972.

61. YANTIS, BETTY. The Economic Impact of Industry on Community Services in Seven Municipalities in the Ozarks Region of Arkansas. Ph. D. dissertation. Univ. of Ark. Col. of Bus. Admin. Dept. of Mangt. 186 pp. Apr. 1972.

62. Farm Real Estate Taxes, Recent Trends and Developments. Econ. Res. Serv. RET-11: 18 pp. Jan. 1972.

RURAL HOUSING, CAPITAL, AND CREDIT

63. BIRD, RONALD, and KEGLEY, NOLAN. Poor Housing Blights Our Countryside. A Good Life for More People. Yearbook of Agriculture: pp. 72-75. 1971.

64. FREEMAN, ROBERT E., and MILLER, KENT D. National Goals for Housing. A Good Life for More People. Yearbook of Agriculture: pp. 68-72. 1971.

65. SPURLOCK, HUGHES H. Rural Homeowners' Use of Home Mortgage Credit in the Ozark Region, 1966. Econ. Res. Serv. AER-211: 30 pp. Aug. 1971.

66. WALDEN, W. CHARLES. Differences in the Quality of Housing Occupied by Black and White Households in Rural Areas of South-Central Tennessee, 1968. Econ. Res. Serv. AER-221: 30 pp. Apr. 1972.

PUBLIC UTILITIES IN RURAL COMMUNITIES

67. JONES, ELMER E., and HADY, THOMAS F. Water Systems and Sewerage. A Good Life for More People. Yearbook of Agriculture: pp. 225-230. 1971.

ANALYSIS OF AREA PROBLEMS

68. ABEL, FRED, BEN-RUBIN, JACK, CHEPLO, NANDOR, and PEAK, ROBERT. Status of Multi-County Planning and Development Districts. Econ. Res. Serv. 246 pp. July 1971.

69. ABEL, FRED H., and McARDLE, RICHARD C. Problems of Land Use Change. A Good Life for More People. Yearbook of Agriculture: pp. 266-273. 1971.

70. BILLS, NELSON L. A Comparative Study of Public Investments in Three Rural Washington Communities. Ph. D. dissertation. Wash. State Univ. Agr. Econ. Dept. 180 pp. 1971.

71. BILLS, NELSON L. Financial Options Used for Financing Selected Public Investment In Three Washington State Communities, 1930-1965. Presented, ann. mtg. of the Southern Agr. Econ. Assoc., Richmond, Va. Feb. 1972.

72. BIRD, ALAN R. Needs and Potential for Research in Rural Development. Paper for Western Agr. Econ. Assoc., Squaw Valley, Calif. 15 pp. July 27, 1971.

73. BIRD, ALAN R. Decision Making on Rural Development at the State and Regional Level--Priority Needs for Research. Presented, Rural Devlpmt. Conf., Chicago, Ill. 28 pp. May 9, 1972.

74. BLANK, ULE. Tourism in the Lake of the Woods-Rainy Lake Area. Univ. of Minn. Agr. Ext. Serv. Minn. Agr. Econ. No. 543: pp. 1-3. Nov. 1971.

75. CESAL, LON. The Role of Agriculture in the National Economy. Presented, Industrial Col. of the Armed Forces, Fort McNair, Washington, D.C. 9 pp. Nov. 11, 1971.

76. DOEKSEN, GERALD A. Application of Simulation to Regional and Community Planning. Southern Jour. of Agr. Econ., Vol. 4, No. 1: pp. 35-44. 1972.

77. DOEKSEN, GERALD A., and RATHWELL, JAMES. Impacts of a New Agricultural Processing Plant on Rural Development. Southern Jour. of Agr. Econ., Vol. 4, No. 1: pp. 73-78. 1972.

78. DOEKSEN, GERALD A., and SCHREINER, F. DEAN. Contributions of the Agricultural Processing Industries to Rural Development Objectives. Amer. Agr. Econ. Assoc., Carbondale, Ill. 23 pp. Aug. 15, 1971.

79. DOEKSEN, GERALD A., and SCHREINER, F. DEAN. Simulating Short, Intermediate, and Long Run Effects of Private Investment on Employment by Industrial Group. Paper for Natl. Region. Sci. Assoc., Ann Arbor, Mich. 22 pp. Nov. 12, 1971.

80. DOEKSEN, GERALD A., and SCHREINER, F. DEAN. Estimating the Long-Run Benefit from Private Investments on Regional Income by Industrial Categories. Proceedings, Western Agr. Econ. Assoc., San Francisco, Calif. pp. 148-152. 1971.

81. DOHERTY, NEVILLE J. G. Efficiency in the Distribution and Utilization of Hospital Services: A Case Study in Rural Michigan. Econ. Res. Serv. ERS-492: 16 pp. Nov. 1971.

82. EDWARDS, CLARK. Development Trends in Small Towns. Presented, Natl. Assoc. of State Develpmt. Agencies Conf., Washington, D.C. 11 pp. Mar. 27-30, 1972.

83. EDWARDS, CLARK, and DePASS, RUDOLPH. Rural-Urban Population, Income and Employment: A Simulation of Alternative Futures. Econ. Res. Serv. AER-218: 38 pp. Dec. 1971.

84. EDWARDS, CLARK, and DOHERTY, NEVILLE. Hospital Sizes for Rural Areas When Patient Arrivals are Poisson Distributed. Agr. Econ. Res., Vol. 23, No. 4: pp. 101-104. Oct. 1971.

85. EDWARDS, CLARK, and OTTE, ROBERT C. Economic Growth Problems: Ways to Deal With Them. A Good Life for More People. Yearbook of Agriculture: pp. 273-278. 1971.

86. EDWARDS, RICHARD J. Main Street's Too Narrow. A Good Life for More People. Yearbook of Agriculture: pp. 251-254. 1971.

87. FERNSTROM, JOHN R., and KAMPE, RONALD E. Rural Areas and the People--Jobs Cycle. A Good Life for More People. Yearbook of Agriculture: pp. 54-61. 1971.

88. FULLER, THEODORE E. Trends in Manufacturing Among Small Centers of Pennsylvania. Pa. Agr. Exp. Sta. Bull. No. 788: 30 pp. Dec. 1971.

89. HAREN, CLAUDE C. Employment, Population and Income Growth in the South's Metro-Nonmetro Areas, 1960-70. 1972 ann. mtg., Southern Region. Sci. Assoc., Williamsburg, Va. 37 pp. Apr. 13-14, 1972.

90. HARWELL, LYNN R., DOEKSEN, GERALD A., and STRICKLAND, LEO P. Appraising the Effects of the Agricultural Act of 1970 Upon Oklahoma's Economy. Southern Jour. of Agr. Econ., Vol. 4, No. 1: pp. 191-196. 1972.

91. HORNE, JAMES, TWEETEN, LUTHER, and DOEKSEN, GERALD A. Comparing the Number of New Farming Opportunities with the Number of New Graduates from Vocational Agricultural Programs. Vocational Guidance Quart., Vol. 20, No. 3: pp. 220-224. Mar. 1972.

92. KUEHN, JOHN A. Income Convergence--A Delusion. The Rev. of Region. Studies, Vol. II, No. 1: pp. 41-51. Fall 1971.

93. KUEHN, JOHN A., and WEST, JERRY G. Highway Impacts on Incomes and Employment in the Ozarks: A Study of Statistical Relationships. Econ. Res. Serv. ERS-488: 27 pp. Sept. 1971.

94. LEITLE, CHARLES E. Adjustment of a Community From an Exhaustible Resource Base to Other Economic Alternatives: A Case History of Joplin, Missouri. Ph. D. dissertation. Univ. of Ark. Econ. Dept. 105 pp. 1972.

95. MOTES, WILLIAM C. Economic Research for Community Development--Why Do It? Paper for mtg. of the Southern Agr. Econ. Assoc., Richmond, Va. 15 pp. Feb. 14, 1972.

96. PERKINSON, LEON B. Health Service Differentials in Michigan. Mich. State Univ. Dept. of Agr. Econ. Res. Rpt. No. 213: 36 pp. Feb. 1972.

97. SMITH, EDWARD J. Economic Profile of Limited Resource Farmers. Proceedings, Workshop on Methods of Working with Limited Resource Farmers: pp. 8-17. Feb. 9-11, 1972; Natl. Fertilizer Devlpmt. Center, Tenn. Valley Authority Bull. No. Y-44. May 1972.

98. Rural Development Chartbooks. Econ. Res. Serv. ERS-500: 44 pp. Feb. 1972.

ECONOMIC AND STATISTICAL ANALYSIS DIVISION

LIVESTOCK AND MEATS

99. BAKER, ALAN J. Hides and Skins. Econ. Res. Serv. LMS-182: pp. 21-24. Nov. 1971.

100. CLAYTON, LARRY B. Wool Situation. Western Livestock Round-Up: pp. 4-5. May 1972.

101. DUNN, TERRY. Wheat as a Feed Grain. Western Livestock Round-Up: pp. 5-6. July 1971.

102. DUNN, TERRY. Grain Sorghum Production and Use. Western Livestock Round-Up: pp. 4-8. Dec. 1971.

103. LARSEN, JOHN T. Some Contrasts in the Marketing of Cattle. Econ. Res. Serv. LMS-185: pp. 26-28. May 1972.

104. Chart Supplement. Western Livestock Round-Up: 8 pp. Mar. 1972.

105. Livestock and Meat Situation. Econ. Res. Serv. Published six times a year.

106. Livestock and Meat Statistics. Econ. Res. Serv. Stat. Bull. No. 333: 152 pp. July 1971.

107. Western Livestock Round-Up. Published monthly.

FATS AND OILS

108. GAZELLE, STANLEY A. Seasonality in Tallow Production and Use. Econ. Res. Serv. FTS: pp. 28-34. Apr. 1972.

109. KROMER, GEORGE W. U.S. Tallow and Grease Production and Marketing Trends. Econ. Res. Serv. FTS: pp. 17-25. Nov. 1971. (Unnumb. reprint: 11 pp. Dec. 1971.)

110. KROMER, GEORGE W. U.S. Peanut Production and Marketing Trends. Econ. Res. Serv. FTS: pp. 13-28. Feb. 1972. (Unnumb. reprint: 18 pp. Feb. 1972.)

111. KROMER, GEORGE W. Palm Oil, A Fast-Rising Competitor of U.S. Fats and Oils. Econ. Res. Serv. FTS: pp. 16-27. Apr. 1972. (Unnumb. reprint: 14 pp. Apr. 1972.)

112. KROMER, GEORGE W., and GAZELLE, STANLEY A. Fats and Oils Situation. Published five times a year.

113. KROMER, GEORGE W., GAZELLE, STANLEY A., NORRIS, EVELYN L., and WIGGINS, SYBLE M. U.S. Fats and Oils Statistics 1950-71. Econ. Res. Serv. Stat. Bull. No. 489: 203 pp. July 1972.

DAIRY

114. MATHIS, A. G. Changes in State Milk Controls. Econ. Res. Serv. DS-338: 3 pp. Nov. 1971.

115. MATHIS, A. G. Outlook for Dairy. Presented, 1972 Natl. Agr. Outlook Conf., Washington, D.C. 16 pp. Feb. 24, 1972.

116. MATHIS, A. G., and MILLER, ROBERT R. Dairy Situation. Econ. Res. Serv. Published five times a year.

117. MILLER, ROBERT R. The Changing U.S. Cheese Industry. Econ. Res. Serv. DS-336: 16 pp. July 1971.

118. MILLER, ROBERT R. Review of the Casein Situation. Econ. Res. Serv. DS-339: 5 pp. Mar. 1972.

119. MILLER, ROBERT R., and CROCKETT, SAMUEL L. World Dairy Situation and Outlook. Econ. Res. Serv. DS-339: 7 pp. Mar. 1972.

120. Impacts of Alternative Dairy Support Levels. Econ. Res. Serv. (Joint with Mktg. Econ. Div. and Farm Prod. Econ. Div.). Unnumb.: 29 pp. Feb. 1972.

POULTRY AND EGGS

121. KIMBEL, STEVE. Exotic Newcastle Disease and a Plan to Combat It. Econ. Res. Serv. PES-271: p. 15. Apr. 15, 1972.

122. Poultry and Egg Situation. Econ. Res. Serv. Published five times a year.

FOOD GRAINS

123. Rice Situation. Econ. Res. Serv. Published twice a year.

124. Wheat Situation. Econ. Res. Serv. Published four times a year.

FEED GRAINS

125. ABEL, MARTIN, and RYAN, MARY. Estimation of U.S. Corn Acreage Supply. Agr. Econ. Res., Vol. 24, No. 4: pp. 102-112. Oct. 1972.

126. CLOUGH, MALCOLM. Pet Food Growth Boosts Protein Feed Demand. Econ. Res. Serv. FdS-240: pp. 19-21. Aug. 1971.

127. HOUCK, JIM, and RYAN, MARY. Supply Analysis for Corn in the United States: The Impact of Changing Government Programs. Amer. Agr. Econ. Assoc., Vol. 54, No. 2: pp. 184-191. May 1972.

128. Feed Situation. Econ. Res. Serv. Published five times a year.

FRUITS AND NUTS

129. HUANG, BEN W. The Changing U.S. Apple Industry. Econ. Res. Serv. TFS-181: pp. 10-19. Nov. 1971.

130. Fruit Situation. Econ. Res. Serv. Published four times a year.

VEGETABLES

131. PORTER, CHARLES W. World Production Trends Affecting Our Foreign Trade in Fruits and Vegetables. Presented, Amer. Soc. of Hort. Sci., Manhattan, Kans. 5 pp. Aug. 2, 1971.

132. PORTER, CHARLES W. The Maine Potato Industry and Interregional Competition. Presented, Centennial Aroostook Young Farmers' Seminar, Presque Isle, Maine. 4 pp. Feb. 16, 1972.

133. PORTER, CHARLES W. Direct-to-Consumer Retailing Potential for Fruits and Vegetables in Northeastern U.S. Presented, Spring Workshop Northeastern State Dept. Agr., Harrisburg, Pa. 4 pp. Apr. 12, 1972.

134. PORTER, CHARLES W. Mushroom Marketing Developments. Presented, 16th Mushroom Industry Short Course, Unit Pack, Pa. 6 pp. June 27, 1972.

135. Vegetable Situation. Econ. Res. Serv. Published four times a year.

FIBERS

136. BARLOWE, RUSSEL G., and DONALD, JAMES R. Analysis of Demand for U.S. Cotton Exports. Econ. Res. Serv. CS-252: pp. 10-21. Aug. 1971.

137. CLAYTON, LARRY B. Wool Situation. Econ. Res. Serv. Published four times a year.

138. CLAYTON, LARRY B. Trends in Wool Production and Marketing and Their Implications. Econ. Res. Serv. Presented, Sheep Industry Wool Symposium, Tex. Tech Univ., Lubbock, Tex. 26 pp. Nov. 1971.

139. MORRISS, E. FRANCES. Supplement for 1971 to Statistics on Cotton and Related Data, 1930-67. Econ. Res. Serv. Stat. Bull. No. 417 (Supp.): 117 pp. Feb. 1972.

140. Cotton Situation. Econ. Res. Serv. Published five times a year.

TOBACCO

141. BRADEN, JOHNNY D. The Tobacco User's Dollar-Trends and Prospects. Econ. Res. Serv. TS-137: pp. 39-42. Sept. 1971.

142. BRADEN, JOHNNY D. Seasonality of Manufactured Tobacco Products and Leaf Exports. Econ. Res. Serv. TS-138: pp. 29-32. Dec. 1971.

143. BRADEN, JOHNNY D. Economic Importance of the U.S. Tobacco Industry. Econ. Res. Serv. TS-139: pp. 30-35. Mar. 1972.

144. MILLER, ROBERT H. Tobacco Use in Cigarettes--Trends and Potentials. Econ. Res. Serv. TS-137: pp. 36-38. Sept. 1971.

145. MILLER, ROBERT H. Tobacco and Tobacco Products Consumption for 1980. Presented, 24th Natl. Tobacco Workers Conf., Chattanooga, Tenn. 16 pp. Jan. 20, 1972.

146. MILLER, ROBERT H. Outlook for Tobacco. Presented, Natl. Agr. Outlook Conf., Washington, D.C. 8 pp. Feb. 24, 1972.

147. MILLER, ROBERT H. Factors Affecting Leaf Tobacco Prices. Econ. Res. Serv. TS-139: pp. 36-38. Mar. 1972.

148. MILLER, ROBERT H., and BRADEN, JOHNNY D. Tobacco Situation. Econ. Res. Serv. Published four times a year.

FARM INCOME

149. Farm Income State Estimates, 1949-70. Econ. Res. Serv. FIS-218 (Supp.): 147 pp. Aug. 1971.

150. The Farm Income Situation. Econ. Res. Serv. Published four times a year.

DEMAND AND PRICE

151. FRENCH, BEN C., and MATTHEWS, JIMMY L. A Supply Response Model for Perennial Crops. Amer. Jour. Agr. Econ., Vol. 53, No. 4: pp. 478-490. Aug. 1971.

152. HARRON, MEYER, J. Consumer Confidence: A Growth Factor. Econ. Res. Serv. DPS-132: pp. 19-22. May 1972.

153. WOMACK, ABNER, and MATTHEWS, JIMMY L. Linear Relationships Revisited. Agr. Econ. Res., Vol. 24, No. 4: pp. 93-101. Oct. 1972.

154. Demand and Price Situation. Econ. Res. Serv. Published four times a year.

FOOD UTILIZATION

155. BUNTING, FREDERICKA, and LeBOVIT, CORINNE. Percent of Income Spent for Food--Estimates from National Income and Household Surveys. Econ. Res. Serv. NFS-137: pp. 22-28. Aug. 1971.

156. GALE, HAZEN F. Outlook for Food Prices, Consumption, and Expenditures. Presented, Natl. Agr. Outlook Conf., Washington, D.C. 10 pp. Feb. 1972.

157. GRAY, FREDERICK D. The Downtrend in U.S. Coffee Consumption. Econ. Res. Serv. NFS-138: pp. 31-38. Nov. 1971.

158. LeBOVIT, CORRINE. U.S. Families Continue Processing Food at Home. Econ. Res. Serv. NFS-140: pp. 27-28. May 1972.

159. Food Prices, Consumption, and Expenditures. Econ. Res. Serv. AER-138 (Supp.): 91 pp. Nov. 1971.

160. National Food Situation. Econ. Res. Serv. Published four times a year.

AGRICULTURAL HISTORY

161. BAKER, GLADYS L. And to Act for the Secretary: Paul H. Appleby and the Department of Agriculture, 1933-1940. Agr. Hist., Vol. 45, No. 4: pp. 235-258. Oct. 1971.

162. BOWERS, DOUGLAS (Compiler). A List of References for the History of the Farmer and the Revolution, 1763-1790. Univ. of Calif., Agr. Hist. Center, Davis, Calif. (in coop. with Econ. Res. Serv.). 25 pp. July 1971.

163. KELSEY, DARWIN P. (Editor). Farming in the New Nation: Interpreting American Agriculture, 1790-1840. Agr. Hist. Soc., Washington, D.C. 239 pp. 1972.

164. RASMUSSEN, WAYNE D. History of Agriculture in the Northern United States, 1620-1860 Revisited. Agr. Hist., Vol. 46, No. 1: pp. 9-17. Jan. 1972.

165. RASMUSSEN, WAYNE D. Abraham Lincoln and Agriculture. Abraham Lincoln: His Legacy to American Agriculture. Associates of the Natl. Agr. Library, Beltsville, Md. pp. 3-8. 1972.

166. RASMUSSEN, WAYNE D., and BAKER, GLADYS L. The Department of Agriculture. Praeger Publishers, New York City, N.Y. 257 pp. 1972.

167. ROGERS, EARL M. (Compiler). Books on Agricultural History Published in 1969. Agr. Hist., Vol. 45, No. 4: pp. 297-302. Oct. 1971.

168. ROGERS, EARL M. (Compiler). A List of References for the History of Agriculture in the Mountain States. Univ. of Calif., Agr. Hist. Center, Davis, Calif. (in coop. with Econ. Res. Serv.). 91 pp. June 1972.

169. WISER, VIVIAN. Comments on Research and Writing in Agricultural History, 1790-1840. Agr. Hist., Vol. 46, No. 1: pp. 59-64. Jan. 1972.

FARM PRODUCTION ECONOMICS DIVISION

ECONOMICS OF PRODUCTION INPUTS AND THEIR MARKETS

Farm Labor Utilization and Productivity

170. FLIGINGER, C. J., GAVETT, E. E., PODANY, J. C., and POWELL, L. A., SR. Supplying U.S. Markets with Fresh Winter Produce. Econ. Res. Serv. AER-154 (Supp.): 25 pp. Sept. 1971.

171. GAVETT, E. E. Impact on Northeast Fruit and Vegetable Production of Expanding International Trade. Presented, Northeastern Agr. Econ. Council, Truro, Nova Scotia. 13 pp. June 19-21, 1972.

172. MILLER, M. F., and BUTCHER, W. R. Labor Productivity in Apple Picking. Wash. Agr. Exp. Sta. Bull. No. 752: 15 pp. Mar. 1972.

173. SELLERS, W. E., JR. Variations in Length of the Farm Workweek. Econ. Res. Serv. Stat. Bull. No. 474: 20 pp. Sept. 1971.

174. SELLERS, W. E., JR. Direct and Contract Hiring of Seasonal Farm Labor. Econ. Res. Serv. Stat. Bull. No. 478: 24 pp. Feb. 1972.

175. Changes in Farm Production and Efficiency. Econ. Res. Serv. Stat. Bull. No. 233 (Rev.): 31 pp. 1972.

176. Index Numbers of Farm Production Per Man-Hour, by Groups of Livestock and Crops, for Each Farm Production Region, 1950-70. Econ. Res. Serv. Stat. Bull. No. 233 (Supp. IV): 12 pp. 1971.

177. Man-Hours of Labor Used for Farmwork, by Groups of Livestock and Crops, for Each Farm Production Region, 1950-70. Econ. Res. Serv. Stat. Bull. No. 233 (Supp. III): 12 pp. 1971.

Economics of Farm Mechanization and Selected Production Practices

178. ALLEN, GEORGE C., HODGES, EARL F., and DEVERS, MARGARET. National and State Livestock-Feed Relationships. Econ. Res. Serv. Stat. Bull. No. 446 (Supp.): 107 pp. June 1972.

179. GALE, JOHN F. Fertilizer Situation. Econ. Res. Serv. FS-2: 48 pp. Jan. 1972.

180. HARRINGTON, DAVID N. Changes in Patterns of Fertilizer Use. Econ. Res. Serv. FS-2: pp. 29-34. Jan. 1972.

181. HODGES, EARL F., ALLEN, GEORGE C., and DAVIS, GARY A. The Formula Feed Industry, A Preliminary Report. Econ. Res. Serv. ERS-494: 19 pp. Nov. 1971.

182. HODGES, EARL F., ALLEN, GEORGE C., and DAVIS, GARY A. The Formula Feed Industry, 1969, A Statistical Summary. Econ. Res. Serv. Stat. Bull. No. 485: 55 pp. May 1972.

183. WALSH, RICHARD G., and RUDEL, RICHARD K. Structural Changes in the Ammonia Manufacturing Industry. Econ. Res. Serv. FS-2: pp. 35-42. Jan. 1972.

Farmland Values and Valuation

184. Farm Real Estate Market Developments. Econ. Res. Serv. CD-76: 48 pp. Aug. 1971.

185. Farm Real Estate Market Developments. Econ. Res. Serv. CD-76 (Supp. I): 4 pp. Jan. 1972.

Farm Credit and Financial Outlook

186. EVANS, CARSON D., WARREN, FOREST G., SMITH, ALLEN G., and CLIFTON, IVERY D. 1972 Agricultural Finance Outlook. Econ. Res. Serv. AFO-11: 27 pp. Feb. 1972.

187. LINS, DAVID A. Determinants of Net Changes in Farm Real Estate Debt. Econ. Res. Serv. Agr. Econ. Res., Vol. 24, No. 1: pp. 1-8. Jan. 1972.

188. MITCHEM, NAN P., WARREN, FOREST G., and EVANS, CARSON D. Agricultural Finance Review, Supplement. Econ. Res. Serv. Vol. 32: 79 pp. Jan. 1972.

189. PENSON, JOHN B., JR. Demand for Financial Assets in the Farm Sector: A Portfolio Balance Approach. Amer. Jour. Agr. Econ., Vol. 54, No. 2: pp. 163-174. May 1972.

190. PENSON, JOHN B., JR., LINS, DAVID A., and IRWIN, GEORGE D. Flow-of-Funds Social Accounts for the Farm Sector: Reply. Amer. Jour. Agr. Econ., Vol. 53, No. 4: pp. 668-670. Nov. 1971.

191. WARREN, FOREST G., and MITCHEM, NAN P. Farm Mortgage Debt. Econ. Res. Serv. FMD-10: 10 pp. Jan. 1972.

192. WARREN, FOREST G., and MITCHEM, NAN P. Farm Mortgage Lending, January-June 1971. Econ. Res. Serv. FML-27: 20 pp. Jan. 1972.

193. WARREN, FOREST G., and MITCHEM, NAN P. Farm Mortgage Lending, July-December 1971, and Calendar Year 1971. Econ. Res. Serv. FML-28: 29 pp. June 1972.

PERFORMANCE AND STRUCTURE OF THE FARM PRODUCTION SECTOR

National and Regional Productivity in Agriculture

194. Supplement I to Changes in Farm Production and Efficiency. Econ. Res. Serv. Stat. Bull. No. 233 (Rev.): 12 pp. Sept. 1971.

195. Supplement V to Changes in Farm Production and Efficiency. Econ. Res. Serv. Stat. Bull. No. 233 (Rev.): 19 pp. Sept. 1971.

Structure of Agriculture and Economics of Farm Size

196. GIVAN, WILLIAM, and KLINE, RALPH. The Effects of Various Wage Rates on Farm Organization and Structure in Southwest Virginia. VPI and State Univ. Res. Bull. No. 63: 60 pp. July 1971.

197. KRAUSE, KENNETH R., and KYLE, LEONARD R. Midwestern Corn Farms: Economic Status and the Potential for Large and Family-Sized Units. Econ. Res. Serv. AER-216: 53 pp. Nov. 1971.

198. MIGHELL, RONALD L., and HOOFNAGLE, WILLIAM S. Contract Production and Vertical Integration in Farming, 1960 and 1970. Econ. Res. Serv. ERS-479: 11 pp. Apr. 1972.

199. NIKOLITCH, RADOJE. Family-Size Farms in U.S. Agriculture. Econ. Res. Serv. ERS-499: 35 pp. Feb. 1972.

200. TROTTER, WARREN, and GIVAN, WILLIAM. Economics of Producing Sunflowers in the United States. Jour. Amer. Oil Chemists Soc., Vol. 48, No. 11: 6 pp. Nov. 1971.

201. The Farm Cost Situation. Econ. Res. Serv. FCS-43: 22 pp. Feb. 1972.

Financing the Farm Sector

202. CARLIN, THOMAS A. Farm Families Narrowed the Income Gap in the 1960's. Econ. Res. Serv. Agr. Fin. Rev., Vol. 33: pp. 22-26. July 1972.

203. CARLIN, THOMAS A., and REINSEL, EDWARD I. Toward a More Complete Comparison of Farm and Nonfarm Proprietorship Income. Presented, Southern Agr. Econ. Assoc., Richmond, Va. 7 pp. Feb. 14-16, 1972.

204. EVANS, CARSON D., et al. The Balance Sheet of the Farming Sector, 1971. Econ. Res. Serv. Agr. Inform. Bull. No. 356: 38 pp. Dec. 1971.

205. HARRISON, VIRDEN L. Questions Critical to the Successful Financial Management of the Farm Firm--Status of Our Research Answers. Presented, Amer. Agr. Econ. Assoc., Carbondale, Ill. 14 pp. Aug. 16, 1971.

206. HARRISON, VIRDEN L. Financial Management Research in Farming in the United States: An Annotated Bibliography of Recent Publications and Current Work. Econ. Res. Serv. Misc. Publ. No. 1222: 78 pp. Nov. 1971.

207. HARRISON, VIRDEN L. The Impact of Emerging Tax Policies on the Structure of Agriculture. Presented, Commercial Agr. Comm. of Western Agr. Econ. Res. Council, San Francisco, Calif. 29 pp. June 13-14, 1972.

208. HARRISON, VIRDEN L., and WOODS, W. FRED. Farm and Nonfarm Investment in Commercial Beef Breeding Herds: Incentives and Consequences of the Tax Law. Econ. Res. Serv. ERS-497: 23 pp. Apr. 1972.

209. HARRISON, VIRDEN L., and WOODS, W. FRED. Nonfarm Investors and Beef Breeding Herds--Incentives and Consequences. Presented, Southern Agr. Econ. Assoc. mtg., Richmond, Va. 14 pp. Feb. 14-16, 1972.

210. JONES, L. A. Farmers Set All-Time High for Crop Insurance in 1971. Econ. Res. Serv. The Farm Index: p. 6. July 1972.

211. PENN, J. B., IRWIN, G. D., and RICHARDSON, R. A. The Value Added Tax: A Preliminary Look at Effects on the Agricultural Sector. Presented, Southern Agr. Econ. Assoc., Richmond, Va. 13 pp. Feb. 14-16, 1972.

212. REINSEL, EDWARD I. Negative Income Taxes, Children's Allowances in the Family Assistance Plan--Benefits to People With Farm Earnings. Southern Jour. Agr. Econ., Vol. 3, No. 1: pp. 43-49. Dec. 1971.

213. REINSEL, EDWARD I. People With Farm Earnings--Sources and Distribution of Income. Econ. Res. Serv. ERS-498: 33 pp. Mar. 1972.

214. SMITH, ALLEN G. Financing a Changing Agricultural Organization. Presented, Amer. Agr. Econ. Assoc., Carbondale, Ill. 11 pp. Aug. 15-18, 1971.

215. SMITH, ALLEN G. Is There Disinvestment in the Farming Sector? Amer. Jour. Agr. Econ., Vol. 54, No. 2: pp. 275-278. May 1972.

216. WARREN, FOREST G., and EITEL, VAN E. Characteristics of Farm Mortgage Loans, by Type of Farming Area. Econ. Res. Serv. Agr. Inform. Bull. No. 356: pp. 31-38. Dec. 1971.

217. WILLIAMS, DORWIN. A Financial Profile of Corn Belt Farms. Mo. Agr. Exp. Sta. Special Rpt. No. 134: 14 pp. July 1971.

218. WILLIAMS, DORWIN. Financial Characteristics of Corn Belt Farmers by Economic Class. Mo. Agr. Exp. Sta. Special Rpt. No. 140: 11 pp. Mar. 1972.

219. WILLIAMS, DORWIN, and KIRTLEY, CARROL. Changes in Capital Investments Managed by Selected Missouri Farmers, 1965-1969. Mo. Agr. Exp. Sta. Special Rpt. No. 142: 14 pp. May 1972.

Farm Financial Management

220. BOSTICK, DON. Investment Appraisal and Decisions: Machinery and Buildings. Presented, Internatl. Farm Mangt. Cong., Warwick, England. 15 pp. July 2, 1971.

221. LARSON, D. K. Montana Dryland Wheat Sample and Yield Characteristics, 1940-64. Mont. Agr. Exp. Sta. Bull. No. 654: 36 pp. Feb. 1971.

222. UMBERGER, DWAINE E., WHITTLESEY, NORMAN K., and WIRTH, M. E. Machinery Investment Practices of Washington Farmers. Wash. State Univ. Agr. Exp. Sta. Bull. No. 737: 11 pp. Aug. 1971.

223. UMBERGER, DWAINE E., WHITTLESEY, NORMAN K., and WIRTH, M. E. Financial Structure of Large Farms in the Wheat-Pea Area of Washington. Wash. State Univ. Agr. Exp. Sta. Bull. No. 378: 16 pp. Sept. 1971.

ANALYSIS OF FARM POLICIES AND PROGRAMS

224. BROWN, W. HERBERT. Soybeans: Acreage Response to Price and Farm Program Changes. Econ. Res. Serv. ERS-473: 15 pp. July 1971.

225. HARWELL, R. LYNN, DOEKSEN, GERALD A., and STRICKLAND, P. LEO. Appraising the Effects of the Agricultural Act of 1970 Upon Oklahoma's Economy. Presented, Southern Agr. Econ. Assoc., Richmond, Va. 13 pp. Feb. 14-16, 1972.

226. HARWELL, R. LYNN, and STRICKLAND, P. LEO. The Opportunity Cost of Protecting Cropping History. Presented, Southern Agr. Econ. Assoc., Richmond, Va. 12 pp. Feb. 14-16, 1972.

227. MILLER, THOMAS A. Estimates of 1972 Great Plains Production Response to the Agricultural Act of 1970. Proceedings, Western Agr. Econ. Assoc., Squaw Valley, Calif. pp. 36-40. July 1971.

228. MILLER, THOMAS A. Evaluation of Alternative Flexibility Restraint Procedures for Recursive Programming Models Used for Prediction. Amer. Jour. Agr. Econ., Vol. 54, No. 1: pp. 68-76. Feb. 1972.

229. PENN, J. B., and IRWIN, GEORGE D. A Simultaneous Equation Approach to Production Response. Southern Jour. Agr. Econ., Vol. 3, No. 1: pp. 115-121. Dec. 1971.

230. STRICKLAND, P. LEO. The Economics of Growing Cotton vs. Existing Alternative Crops. Presented, Miss. Valley Oilseed Prod. Assoc., New Orleans, La. 13 pp. Feb. 7-8, 1972.

231. STRICKLAND, P. L., BROWN, W. H., McARTHUR, W. C., and PAWSON, W. W. Cotton Production and Farm Income Estimates Under Selected Alternative Farm Programs. Econ. Res. Serv. AER-212: 33 pp. Sept. 1971.

232. WALKER, RODNEY L., and KLETKE, DARREL D. User's Manual: Oklahoma State University Crop Budget Generator. Stillwater, Okla. Prog. Rpt. No. P-656: 38 pp. Nov. 1971.

ECONOMICS OF CROP AND LIVESTOCK PRODUCTION

Beef Cattle Production

233. ANDERSON, JAMES M., and KELLER, LUTHER H. Beef Feeding Systems in Optimum Farm Organizations for Three Areas of Tennessee. Tenn. Agr. Exp. Sta. Bull. No. 480: 65 pp. July 1971.

234. BARRY, PETER J., and MARTIN, J. ROD. Applicability of Firm Growth Models to Rural Development Research. Quantitative Techniques With Application to Rural Development Research. Presented, Farm Mangt. Res. Comm. and Farm Found. pp. 65-92. Mar. 1972.

235. BOYKIN, CALVIN C. Pasture and Fodder Crop Investigations, Iran. Contribution of National Rangelands to the Economy of Iran. FAC, Rome, AGP:SF/IRA 10. Tech. Rpt. 2: 65 pp. 1972.

236. BUTLER, CHARLES P. Beef Cattle Play A Major Economic Role on Southern Farms. Palmetto Economics: pp. 1-2. June 1972.

237. GEE, C. KERRY. Consider These Cattle Marketing Alternatives. Colo. Rancher and Farmer Magazine: p. 10. May 1972.

238. GEE, C. KERRY, and PURSLEY, JERRY K. The Economics of Retained Ownership of Calves on Eastern Colorado Cattle Ranches. Colo. State Univ. Agr. Exp. Sta. Bull. No. 5515: 13 pp. Jan. 1972.

239. HUFFMAN, DONALD C. Research Seeks Beef Potential in Delta State. Delta Farm Press: p. 14. June 1971.

240. JOHNSON, RALPH D. An Economic Evaluation of Alternative Marketing Methods for Fed Cattle. Univ. of Nebr. Agr. Exp. Sta. Bull. No. 530: 74 pp. June 1972.

241. MARTIN, NEIL R., JR. Stepped Product Demand and Factor Supply Functions in Linear Programming Analyses. Amer. Jour. Agr. Econ., Vol. 54: pp. 116-120. Feb. 1972.

242. MASON, O. C., HALBROOK, W. A., SPOONER, A. E., and RAY, M. L. Estimated Costs and Production for Selected Forage Crops for Southwest Arkansas. Ark. Agr. Exp. Sta. Rpt. Series No. 199: 49 pp. Mar. 1972.

243. MORGAN, ALTON J., and HUFFMAN, DONALD C. Beef Enterprises on Louisiana Farms. La. Rural Economist, Vol. 33, No. 3: pp. 8-11. Aug. 1971.

244. TRIERWEILER, JOHN E., and HASSLER, JAMES B. Measuring Efficiency in the Beef-Pork Sector by Price Analysis. Econ. Res. Serv. Agr. Econ. Res., Vol. 23, No. 1: pp. 11-17. Jan. 1971.

245. WILLIAMS, ED, and FARRIS, D. E. Budgeted Costs and Returns of Fifteen Cattle Feeding Systems in Four Areas of Texas. Tex. Agr. Exp. Sta. Misc. Publ. No. 1022: 35 pp. Feb. 1972.

Dairy Production

246. BUXTON, BOYD M., and HOLMBERG, MICHEL L. Can Modern Dairy Farms Compete for Hired Labor? Univ. of Minn. Agr. Exp. Sta. Bull. No. 505: 25 pp. May 1972.

247. GAEDE, HAROLD W., JR., CHRISTENSEN, ROBERT L., and ASHRAF, MUHAMMAD. An Evaluation of Selected Manure Disposal Systems for Dairy Farms. Presented, Northeast Agr. Econ. Council, Truro, Nova Scotia. 7 pp. June 19-21, 1972.

248. GAEDE, HAROLD W., JR., CHRISTENSEN, ROBERT L., and ENGEL, N. EUGENE. Land Application of Livestock Wastes in Massachusetts: Potential Pollution Effects and Economic Considerations. Univ. of Mass. Dept. Agr. Econ., Amherst, Mass. 30 pp. June 1972.

249. HARRINGTON, DAVID H. Specification of Supplies and Demands for Subsector and Submarket Studies. Presented, Agr. Econ. Assoc., Richmond, Va. Purdue Agr. Exp. Sta. Jour. Paper No. 4664: 14 pp. Feb. 1972.

250. HARRINGTON, DAVID H. A Model of Milk Production and Disposition: Supply, Utilization, and Government Support in the Dairy Sector. Presented, Northeast Agr. Econ. Council, Truro, Nova Scotia. 16 pp. June 19-21, 1972.

251. LEE, ROBERT E., and CHRISTENSEN, ROBERT L. Evaluating Land-Use Alternatives in Rural-Urban Fringe Areas. Presented, Northeast Agr. Econ. Council, Truro, Nova Scotia. 11 pp. June 19-21, 1972.

252. MICKA, EDWARD S., and DEARBORN, VANCE E. Maine Dairy Farming: Location and Municipal Taxation of Cattle, 1970. Univ. of Maine Exp. Sta. Misc. Rpt. No. 137: 15 pp. Aug. 1971.

Hog Production

253. BURSCH, WILLIAM G. Sow Leasing and Contract Hog Feeding, Producer Motivations and Characteristics--A Preliminary Report. Purdue Agr. Econ. Mimeo Series 72-78: 12 pp. Mar. 1972.

254. BURSCH, WILLIAM G., HAYENGA, MARVIN L., DUVICK, RICHARD D., and ALLEN, JOHN. The Evaluation of Vertical Coordination in Agriculture: A Pork Industry Example. Presented, Amer. Agr. Econ. Assoc., Carbondale, Ill. 16 pp. Aug. 15-18, 1971.

255. HAYENGA, MARVIN L., DUVICK, RICHARD D., BURSCH, WILLIAM G., ALLEN, JOHN, and CAMPBELL, GERALD R. Vertical Coordination in the Pork Industry. Mich. St. Univ. Agr. Econ. Rpt. No. 194: 34 pp. Feb. 1972.

256. LEWIS, A. C., CANDLER, W. V., and LAMOND, D. R. Simulation of Bovine Ovarian Follicle Changes. Proceedings, Western Section, Amer. Soc. of Animal Sci., Vol. 23: 5 pp. June 1972.

257. LINES, A. E., and BACHE, D. H. Planning Data for Hog Farms. Purdue Univ. Agr. Econ. Dept. Rpt. No. EC-403: 16 pp. Jan. 1972.

Wheat Production

258. ULLRICH, ERWIN O., JR., and SANDERSON, JOHN F. Effects of Alternative Wheat and Feed Grain Prices on Optimum Farm Plans and Income in Beadle, Clark, Codington, Day, Marshall, and Roberts Counties. S. Dak. State Univ. Agr. Exp. Sta. Bull. No. 594: 19 pp. Jan. 1972.

259. ULLRICH, ERWIN O., JR., and SANDERSON, JOHN F. Effect of Alternative Wheat and Feed Grain Prices on Optimum Farm Plans and Income in South Central, South Dakota, Lyman and Tripp Counties. S. Dak. State Univ. Agr. Exp. Sta. Bull. No. 593: 23 pp. Jan. 1972.

Rice Production

260. GERLOW, ARTHUR R., and WOOLF, WILLARD F. Economic Effects of Changes in Production Practices in Beef Cattle Production in the Southwest Louisiana Rice Area. La. State Univ. Agr. Exp. Sta. Res. Rpt. No. 433: 48 pp. Nov. 1971.

261. GRANT, WARREN R., AMAREL, R. E., and JOHNSON, S. S. Leasing on California Rice Farms. Calif. Agr. Exp. Sta. Inform. Series No. 71-2: 36 pp. July 1971.

262. HOTTEL, J. BRUCE. Resource Pricing of Land and Mobile Rice Allotments. Jour. Amer. Soc. Farm Managers and Rural Appraisers, Vol. 35, No. 1: pp. 45-49. Apr. 1971.

263. WHITE, T. WAYNE, and GERLOW, ARTHUR R. Returns Above Feed and Steer Costs from Finishing Steers On Experimental Rations in Louisiana. La. State Univ. Agr. Exp. Sta. Bull. No. 656: 26 pp. June 1971.

264. WOOLF, WILLARD F., and GERLOW, ARTHUR R. Effects on Returns of Changes in Production Practices and Enterprise Combinations, Southwest Louisiana Rice Area. La. State Univ. Agr. Exp. Sta. Res. Rpt. No. 432: 44 pp. Nov. 1971.

Tobacco Production

265. HOFF, FRED L., and STOVALL, JOHN G. Impact of Changing Demand for Burley Tobacco on Producers and Resource Owners. Proceedings: Social and Economic Issues Confronting the Tobacco Industry in the Seventies. Col. of Agr. and Center for Devlpmt. Change, Univ. of Ky., Lexington, Ky. pp. 183-205. Feb. 1972.

266. SHUGARS, OWEN K. Tobacco Production in the Decade Ahead. Presented, 24th Tobacco Workers Conf., Chattanooga, Tenn. 35 pp. Jan. 18-20, 1972.

267. SHUGARS, OWEN K., and GAVETT, EARLE E. Changing Technology in Tobacco Production. Proceedings: Social and Economic Issues Confronting the Tobacco Industry in the Seventies. Col. of Agr. and Center for Devlpmt. Change, Univ. of Ky., Lexington, Ky. pp. 167-179. Feb. 1972.

268. SHUGARS, OWEN K., and GRISE, VERNER N. Tobacco Mechanization, Developments, and Prospects. Presented, Agr. Outlook Conf., Washington, D.C. 8 pp. Feb. 24, 1972.

Peanut Production

269. GIVAN, WILLIAM, and SAMPLES, L. E. Economic Feasibility of On-Farm Peanut Drying Facilities in Georgia. Ga. Agr. Res.: pp. 10-13. Winter 1972.

Farm Costs and Returns

270. EVANS, JAMES A., and HUGHES, W. F. Production Costs, Resource Returns, and Other Economic Characteristics--Commercial Cotton Farms, Southern High Plains, Texas, 1966-69. Econ. Res. Serv. ERS-478: 24 pp. July 1971.

271. GOODSELL, WYLIE D. Utah Sheep Ranching, Progress and Problems. Presented, Utah Wool Growers ann. mtg., Salt Lake City, Utah. 18 pp. Jan. 12-14, 1972.

272. GOODSELL, WYLIE D. Organization, Costs and Returns: Northwest Cattle Ranches, 1960-71. Econ. Res. Serv. AER-232: 80 pp. Nov. 1972.

273. GOODSELL, WYLIE D., and BELFIELD, MACIE J. Costs and Returns: Migratory-Sheep Ranches, Utah-Nevada, 1971. Econ. Res. Serv. FCR-82: 8 pp. Apr. 1972.

274. GRAY, JAMES R., GOODSELL, WYLIE D., and BELFIELD, MACIE J. Costs and Returns, Southwest Cattle Ranches, 1970. Econ. Res. Serv. FCR-81: 6 pp. Sept. 1971.

275. GRAY, JAMES R., GOODSELL, WYLIE D., and BELFIELD, MACIE J. Costs and Returns, Southwest Cattle Ranches, 1971. Econ. Res. Serv. FCR-83: 8 pp. Aug. 1972.

276. WEISGERBER, P. Commercial Wheat Production--world Market, U.S. Production Centers, Costs and Returns Analysis. Econ. Res. Serv. ERS-480: 31 pp. Sept. 1971.

Cotton Cost Analysis

277. HOOVER, DALE M., CARLSON, GERALD A., and SUTHERLAND, J. GWYN. Southeastern Cotton: Costs, Profits, and Supply. Presented, Southern Agr. Econ. Assoc., Richmond, Va. 12 pp. Feb. 14-16, 1972.

278. STARBIRD, I. R., and FRENCH, B. L. Costs of Producing Upland Cotton in the United States, 1969. Econ. Res. Serv. AER-227: 48 pp. June 1972.

279. SUTHERLAND, J. GWYN, CARLSON, GERALD A., and HOOVER, DALE M. Cost of Producing Cotton in the Southeast, 1966. N.C. State Univ. Agr. Exp. Sta. Econ. Inform. Rpt. No. 25: 53 pp. Oct. 1971.

ECONOMIC RELATIONSHIPS BETWEEN AGRICULTURAL PRODUCTION AND ENVIRONMENTAL QUALITY

Economics of Pesticide Use in Agriculture

280. BERRY, JOHN H., JENKINS, ROBERT P., EICHERS, THEODORE R., and FOX, AUSTIN S. Economic Impact of Discontinuing Farm Uses of Aldrin and Dieldrin. Presented, Environmental Protection Agency Aldrin-Dieldrin Advisory Comm. Washington, D.C. 37 pp. Feb. 8, 1972.

281. CARLSON, G. A. Economic and Social Aspects of Pest Control. Natl. Biol. Cong. Inst. of Biol. Sci., Miami Beach, Fla. 13 pp. Oct. 23, 1971.

282. CARLSON, G. A. Economics of Pest Management. Presented, 24th Ann. Southeastern Agr. Chemicals School, Raleigh, N.C. 8 pp. Jan. 10, 1972.

283. CARLSON, G. A., and CASTEL, E. N. Economics of Pest Control. Pest Control Strategies for the Future, Natl. Acad. of Sci., Washington, D.C. 31 pp. 1972.

284. COOKE, FRED T., BERRY, JOHN H., and FOX, AUSTIN S. Economic Effects of Restricting the Use of DDT on Cotton. Presented, Environmental Protection Agency Public DDT Hearings, Washington, D.C. 11 pp. Oct. 6-7, 1971.

285. DELVO, HERMAN W. Economic Analysis of Herbicide Use Policies on Nebraska Cash-Grain Farms. Proceedings: North Central Weed Control Conf., Kansas City, Mo. 19 pp. Dec. 7-9, 1971.

286. DELVO, HERMAN W. Effects of Alternative Herbicide Use Practices on Optimum Organization of Nebraska Cash-Grain Farms. Univ. of Nebr. Col. of Agr., Lincoln, Nebr. Quart.: 16 pp. Winter 1972.

287. FOX, AUSTIN S. Economic Impact of Restricting Herbicide Use. Presented, Ann. mtgs. of Amer. Soc. of Agronomy, Crop Sci. Soc. of Amer., and Soil Sci. Soc. of Amer., New York City, N.Y. 2 pp. Aug. 15-20, 1971.

Animal Waste Research

288. CONNOR, L. J., MADDEX, R. L., and LEIGHTY, L. L. Environmental Quality Considerations for Michigan Farmers. Mich. State Univ. Coop. Ext. Serv. Bull. No. E-732: 8 pp. Dec. 1971.

289. HOGLUND, C. R., BOYD, J. S., CONNOR, L. J., and JOHNSON, J. B. Waste Management Practices and Systems on Michigan Dairy Farms. Mich. State. Univ. Agr. Econ. Rpt. No. 208: 15 pp. Jan. 1972.

290. JOHNSON, J. B. Economic Implications of Pollution Abatement in Livestock Production. Proceedings, Livestock Mangt. Conf., Univ. of Ill. 16 pp. Mar. 1972.

291. JOHNSON, J. B. How Will the Business Side of Farming Change? Presented, 1972 Mich. Farmers week, Mich. State Univ. 6 pp. Mar. 1972.

292. JOHNSON, J. B., and CONNOR, L. J. For Livestock Producers--Implications of Environmental Quality Standards. Mich. Farm Econ. No. 342: pp. 1-3. July 1971.

293. JOHNSON, J. B., CONNOR, L. J., HOGLUND, C. R., and BLACK, J. ROY. Implications of State Environmental Legislation on Livestock Waste Management. Proceedings, Cornell Agr. Waste Mangt. Conf., Cornell Univ. 15 pp. Jan. 1972.

MARKETING ECONOMICS DIVISION

MARGINS, COSTS, AND OTHER MEASURES OF PERFORMANCE

Cross Commodities

294. BOLES, PATRICK P. The Freight Car Supply Problem and Car Rental Policies. Econ. Res. Serv. MRR-953: 28 pp. Apr. 1972.

295. CRAWFORD, TERRY L. Profits of Firms Marketing Agricultural Products. Econ. Res. Serv. MTS-185: pp. 12-15. May 1972.

296. DUNHAM, D. F., et al. Marketing and Transportation Situation. Econ. Res. Serv. Published four times a year.

297. FINDLAY, JEANNETTE, and SOUTHARD, LELAND W. The Bill for Marketing Farm-Food Products. Econ. Res. Serv. ERS-20: 8 pp. Aug. 1971.

298. HUTCHINSON, T. Q. Ocean Freight Rate Highlights. Econ. Res. Serv. FATUS: pp. 55-57. Nov. 1971.

299. HUTCHINSON, T. Q. Factors in Freight Car Supply. Southern Jour. Agr. Econ., Vol. 3, No. 1: pp. 167-173. Dec. 1971.

300. HUTCHINSON, T. Q. Ocean Freight Rate Highlights. Econ. Res. Serv. FATUS: pp. 66-70. Mar. 1972.

301. SCOTT, FORREST E., and BADGER, HENRY T. Farm-Retail Spreads for Food Products. Econ. Res. Serv. Misc. Publ. No. 741: 130 pp. Jan. 1972.

302. SOUTHARD, LELAND W. Marketing Cost for Agricultural Inputs. Presented, Natl. Farm and Power Equipment Dealers Assoc. ann. conv., Atlanta, Ga. 6 pp. May 31-June 2, 1972.

Fruits and Vegetables

303. BURNS, ALFRED J., and JOHNSON, CLIVE E. Price Margins and Farm Value for Canned and Frozen Fruits, Vegetables and Juices Sold in Selected Markets, 1965/66-1969/70. Econ. Res. Serv. Stat. Bull. No. 477: 61 pp. Sept. 1971.

Livestock and Livestock Products

304. AGNEW, DONALD B. Trends in Price Spreads for Beef and Pork: Econ. Res. Serv. MTS-185: pp. 16-21. May 1972. (Reprinted as ERS-504: 8 pp. May 1972.)

305. BAKER, ALLEN J. Beef Margins: How They're Set. Econ. Res. Serv. Farm Index: pp. 12-14. July 1971.

306. BAKER, ALLEN J. Hides and Skins. Econ. Res. Serv. LMS-182: pp. 21-24. Nov. 1971.

307. BAKER, ALLEN J. Linking Pig and Pork Prices: One Hog's Journey Through the Marketing Chain. Econ. Res. Serv. Farm Index: pp. 12-14. Jan. 1972.

Grains and Grain Products

308. HUTCHINSON, T. Q., and MORRISON, RUTH. Ocean Freight Rate Indexes for Heavy Grains, 1961-69. Econ. Res. Serv. ERS-476: 14 pp. Aug. 1971.

309. MORIAK, THEO. F., and LOGAN, S. H. Monthly Retail Demand for Bread. Agr. Econ. Res., Vol. 23, No. 3: pp. 58-63. July 1971.

Poultry and Poultry Products

310. VERTRESS, J. G., and LARZELERE, H. E. Factors Affecting Shell Egg Distribution Channel Costs. Mich. Agr. Exp. Sta. Agr. Econ. Rpt. No. 214: 50 pp. Mar. 1972.

MARKET SYSTEMS PERFORMANCE ANALYSIS

Cross Commodities

311. BELL, DAVID M. The Impact of Air Pollution Abatement Activities of Coal Burning Electric Power Generating Plants on the Fertilizer Industry. Ph. D. dissertation. Mich. State Univ. Agr. Econ. Dept. 300 pp. 1971.

312. BELL, DAVID M., HENDERSON, DENNIS R., and PERKINS, GEORGE R. A Simulation of the Fertilizer Industry in the United States: With Special Emphasis on Fertilizer Distribution in Michigan. Mich. State Univ. Agr. Econ. Res. Rpt. No. 189. Feb. 1972.

313. DUYMOVIC, A. A., and FARISH, R. O. P. Economic Effects of Intersectoral Income Transfers. Contributed paper, Southern Agr. Econ. Assoc., Richmond, Va. 13 pp. Feb. 1972.

314. HENDERSON, DENNIS R., PERKINS, GEORGE R., and BELL, DAVID M. Simulating the Fertilizer Industry: Data. Mich. State Univ. Dept. of Agr. Econ. Rpt. No. 190. Feb. 1972.

315. IMEL, BLAKE, BEHR, MICHAEL R., and HELMBERGER, PETER G. Market Structure and Performance: The U.S. Food Processing Industries. D.C. Heath & Co., Lexington, Mass. 115 pp. 1972.

316. IMEL, BLAKE, and HELMBERGER, PETER. Estimation of Structure-Profit Relationships with Application to the Food Processing Sector. Amer. Econ. Rev., Vol. LXI, No. 4: pp. 614-627. Sept. 1971.

317. PERKINS, GEORGE R., HENDERSON, DENNIS R., and BELL, DAVID M. Simulation of the Fertilizer Industry. Searching the Seventies. Natl. Fertilizer Devlpmt. Center, Muscle Shoals, Ala. TVA Bull. No. Y-34: pp. 100-196. Sept. 1971.

318. WISE, J. O., and JONES, H. B. Estimating Production Potentials of Agricultural Areas. Agr. Econ. Res., Vol. 23, No. 4: pp. 95-100. Oct. 1971.

Fruits and Vegetables

319. ARMBRUSTER, W. J. Simulation of Farm Bargaining Board Policies in the Western Late Potato System. Oreg. Agr. Exp. Sta. Tech. Bull. No. 119: 59 pp. Mar. 1972.

320. BOHALL, ROBERT W. The Marketing System for Fresh Winter Vegetables--Prices and Performance. Jour. Amer. Soc. Hort. Sci., Vol. 96, No. 6: pp. 793-798. Nov. 1971.

321. BOHALL, ROBERT W. Pricing Performance in Marketing Fresh Winter Carrots. Econ. Res. Serv. MRR-963: 33 pp. June 1972.

322. BROOKER, J. R., and PEARSON, J. L. Factors Affecting the Feasibility of Investment in Tomato Packinghouses. Fla. Agr. Exp. Sta. Agr. Econ. Rpt. No. 25: 41 pp. July 1971.

323. BROOKER, JOHN R., and PEARSON, JAMES L. Factors Affecting the Economic Feasibility of Single-Product Packinghouse Operations: Cantaloupes, Carrots, Onions, and Radishes. Fla. Agr. Exp. Sta. Agr. Econ. Rpt. No. 36: 46 pp. Apr. 1972.

324. EDMAN, VICTOR G. Retail Demand for Fresh Apples. Econ. Res. Serv. MRR-952: 28 pp. Apr. 1972.

325. FLIGINGER, C. J., GAVETT, E. E., PODANY, J. C., and POWELL, L. A., SR. Supplying U.S. Markets with Fresh Winter Produce: Capabilities of U.S. and Mexican Production Areas. Econ. Res. Serv. AER-154 (Supp.): 25 pp. Sept. 1971.

326. JESSE, EDWARD V., and EDMAN, VICTOR G. Projected U.S. Production and Domestic Consumption of Oranges and Grapefruit, 1975/76 and 1980/81: Implications for Expanding Exports. Econ. Res. Serv. Unnumb.: 72 pp. June 1972.

327. PODANY, JOSEPH C., and BOHALL, ROBERT W. Regional Costs of Harvesting, Storing, and Packing Apples. Econ. Res. Serv. MTS-183: pp. 30-36. Nov. 1971. (Reprinted as ERS-496: 8 pp. Nov. 1971.)

328. SUMMERS, LARRY V., and DRURY, CAROLE. Marketing Northwest Potatoes. Idaho Agr. Exp. Sta. Bull. No. 529: 33 pp. Dec. 1971.

Floriculture

329. GOODRICH, D. C., JR., and WHITAKER, D. B. Structure and Organization of Selected Terminal Wholesale Markets for Flowers in the Northeast. Cornell Univ. Agr. Exp. Sta. (in coop. with Econ. Res. Serv.) Agr. Econ. Res. Rpt. No. 340: 39 pp. Jan. 1972.

330. HALL, RICHARD. Organization and Practices of Selected Terminal Wholesale Flower Markets in the West. Econ. Res. Serv. MRR-960: 19 pp. June 1972.

331. LUNDQUIST, DOROTHY M. A Bibliography of Marketing Research on Commercial Floriculture and Ornamental Horticulture, 1965-71. Econ. Res. Serv. Misc. Publ. No. 1235: 24 pp. June 1972.

332. RALEIGH, STEPHEN M., JR. Organization and Practices in Selected Terminal Wholesale Flower Markets in the South. Econ. Res. Serv. MRR-951: 24 pp. Mar. 1972.

333. SULLIVAN, G. H., and ROBERTSON, J. L. Organization and Practices in Mid-Western Terminal Wholesale Markets for Flowers. Purdue Univ. Agr. Exp. Sta. (in coop. with Econ. Res. Serv.) Res. Bull. No. 868: 16 pp. May 1972.

Grains and Forage

334. CAIN, JARVIS L., and GLADE, EDWARD H., JR. Interindustry Structure of Domestic Grain Processing Industries. Md. Agr. Exp. Sta. Bull. Misc. Publ. No. 808: 35 pp. June 1972.

335. EILAND, J. C., and MORIAK, THEO. F. Distribution Patterns for U.S. Rice, 1969-70. Econ. Res. Serv. ERS-484: 19 pp. May 1972.

336. EILAND, J. C., and MORIAK, THEO. F. The Current Domestic Rice Market Situation and Shortrun Outlook. Presented, Fourteenth Rice Technical Working Group, Davis, Calif. 13 pp. June 1972.

337. GLADE, EDWARD H., JR., and CHANDLER, WHITMAN M., JR. An Interindustry Analysis of Grain Production and Processing--Implications of Expanding Markets. Econ. Res. Serv. MRR-962: 53 pp. June 1972.

338. HOLDER, SHELBY H. An Application of Computer Techniques to the Rice Industry. The Rice Jour., Vol. 75, No. 5: pp. 19-21. May 1972.

339. HOLDER, SHELBY H. Results and Implications of a Systems Model of the U.S. Rice Industry. Presented, Rice Technical Working Group mtg., Davis, Calif. June 20, 1972.

340. HOLDER, SHELBY H., SHAW, DALE L., and SNYDER, JAMES C. Systems Model of the U.S. Rice Industry. Econ. Res. Serv. Tech. Bull. No. 1453: 86 pp. Nov. 1971.

341. LEATH, MACK N., and BLAKLEY, LEO V. An Interregional Analysis of the U.S. Grain Marketing Industry, 1966-67. Econ. Res. Serv. Tech. Bull. No. 1444: 82 pp. Nov. 1971.

342. LEATH, MACK N., BLAKLEY, LEO V., and RATHJEN, ROBERT A. The Southern Grain Marketing Industry: Feed Grains. Okla. State Univ. Ext. Facts, No. 423. Dec. 1971.

343. LEATH, MACK N., BLAKLEY, LEO V., and RATHJEN, ROBERT A. The Southern Grain Marketing Industry: Utilization of Storage and Pork Facilities. Okla. State Univ. Ext. Facts, No. 424. Dec. 1971.

344. LEATH, MACK N., BLAKLEY, LEO V., and RATHJEN, ROBERT A. The Southern Grain Marketing Industry: Wheat and Flour. Okla. State Univ. Ext. Facts, No. 422. Dec. 1971.

345. MORIAK, THEO. F. Economic Research on Marketing U.S. Rice. Presented, 73rd Ann. Conv. of the Rice Miller's Assoc., Colorado Springs, Colo. May 17, 1972.

346. SCHIENBEIN, ALLEN G. Cost of Storing and Handling Grain in Commercial Elevators, 1970-71, and Projections for 1972-73. Econ. Res. Serv. ERS-501: 38 pp. Mar. 1972.

347. STRICKLAND, ROGER P., JR., and MORIAK, THEO. F. The Effect of World Supply, Demand, Trade, and Policy on the U.S. Rice Industry and Government Policy: Model Framework for Study. Presented, Fourteenth Rice Technical Working Group, Davis, Calif. 10 pp. June 21, 1972.

348. Charges for Ginning Cotton, Cost of Selected Services Incident to Marketing and Related Information. Econ. Res. Serv. ERS-2: 2 pp. May 1972.

Fibers and Fiber Products

349. GHETTI, JOSEPH L., and CHANDLER, WHITMAN, M., JR. Cost of Storing and Handling Cotton at Public Storage Facilities 1970-71 with Projections for 1972-73. Econ. Res. Serv. ERS-502: 43 pp. Apr. 1972.

350. GHETTI, JOSEPH L., HOLDER, SHELBY H., and LOONEY, ZOLON M. Domestic Shipments of U.S. Cotton 1970-71 Season. Econ. Res. Serv. Stat. Bull. No. 483: 22 pp. Mar. 1972.

351. GHETTI, JOSEPH L., HOLDER, SHELBY H., and LOONEY, ZOLON M. Cotton Gin Operating Costs in the Midsouth--1969-70 and 1970-71 Seasons. Econ. Res. Serv. MRR-964: 9 pp. June 1972.

352. GHETTI, JOSEPH L., and LOONEY, ZOLON M. Statistical Summary of Charges for Ginning Cotton and Selected Services, and Related Information, Season 1955-56 through 1970-71. Econ. Res. Serv. Stat. Bull. No. 479: 23 pp. Feb. 1972.

353. JONES, AMOS D. Wool Marketing Alternatives from Producer to Mill. Presented, Sheep Industry Symposium, Lubbock, Tex. 9 pp. Nov. 2, 1971.

354. LaFERNEY, PRESTON E. Off-Farm Costs of Marketing Cotton 1969-70 Season. Presented, Natl. Cotton Council, Memphis, Tenn. Dec. 15, 1971.

355. LaFERNEY, PRESTON E. A Method for Determining an Adequate Supply of U.S. Cotton. Paper, Natl. Cotton Council, Memphis, Tenn. 28 pp. Mar. 15, 1972.

356. LaFERNEY, PRESTON E., and GLADE, EDWARD H., JR. Off-Farm Costs of Moving Cotton in the 1969-70 Marketing Season. Unnumb.: 24 pp. Oct. 1971.

357. LOONEY, ZOLON M., and SHAW, DALE L. Cotton Gin Operating Costs in the Midsouth, 1968 and 1969-70. Econ. Res. Serv. MRR-942: 8 pp. Dec. 1971.

358. LOONEY, ZOLON M., and WILMOT, CHARLES A. Economic Models for Cotton Ginning. Econ. Res. Serv. AER-214: 48 pp. Oct. 1971.

359. SHAW, DALE L., and WILMOT, CHARLES A. Cotton Gin Operating Costs in West Texas. Econ. Res. Serv. MRR-934: 13 pp. Aug. 1971.

Dairy

360. FALLERT, RICHARD F. A Survey of Central Milk Programs in Midwestern Food Chains. Econ. Res. Serv. MRR-944: 69 pp. Dec. 1971.

361. FALLERT, RICHARD F., and LOUGH, HAROLD W. Base Plans in U.S. Milk Markets: Development, Status, and Potential. Econ. Res. Serv. MRR-957: 36 pp. June 1972.

362. MOEDE, HERBERT H. Hauling Charges on Out-of-Market Bulk Milk Shipments from Selected Federal Order Markets. Econ. Res. Serv. MRR-959: 18 pp. May 1972.

363. Impact of Alternative Dairy Price Support Levels, Final Report to the Agricultural Stabilization and Conservation Service. Econ. Res. Serv. Feb. 1972. (Printed in full in the Cong. Rec., Thursday, Mar. 9, 1972.)

Livestock and Livestock Products

364. BURSCH, W. G., HAYENGA, M. L., DUVICK, R. D., and ALLEN, J. W. The Evolution of Vertical Coordination in Agriculture: A Pork Industry Example. Presented, Amer. Agr. Econ. Assoc., Gainesville, Fla. 1971. (Abstracted, Amer. Jour. Agr. Econ., Vol. 53, No. 5: p. 825: Dec. 1971.)

365. HAYENGA, M. L., et al. Vertical Coordination in the Pork Industry. Mich. State Univ. AER-194: 277 pp. Feb. 1972.

366. MANCHESTER, ALDEN C. Introduction to Subsector Studies. Presented, Seminar on Natl. and Region. Econ. Models, Canada Dept. Agr., Regina, Saskatchewan. June 15, 1972.

367. SCHNEIDAU, R., and DUEWER, L. Symposium: Vertical Coordination in the Pork Industry. AVI Publishing Co., Westport, Conn. 1972.

368. SULLIVAN, JAMES D. Estimating Monthly Hog Prices by Market Weight Groups: An Application of a Non-Linear Distributed Lag Model. Presented, Amer. Agr. Econ. Assoc., Gainesville, Fla. 1971.

369. TALPAZ, H., and VINCENT, W. H. A Simulated Macro-Hog Production and Marketing Model. Mich. State Univ. Agr. Econ. Dept. Mimeo. 1972.

370. Interim Report to Congress: A Study of the Lamb Industry. Econ. Res. Serv. and Packers and Stockyards Admin. 190 pp. Mar. 1972.

Poultry

371. BELDEN, S. A., and SCHRADER, L. F. An Analysis of Coordination Decisions in a Turkey Production and Marketing System. Cornell Agr. Exp. Sta., Agr. Econ. Res. 72-7: 76 pp. May 1972.

372. BENSON, V. W., BENDER, F. E., and LaFOURCADE, O. Interregional Competition in the Broiler Industry. Vol. I, Md. Agr. Exp. Sta. Misc. Publ. No. 792: 81 pp. Mar. 1972.

373. BENSON, V. W., BENDER, F. E., and LaFOURCADE, O. Interregional Competition in the Broiler Industry. Vol. II, Md. Agr. Exp. Sta. Misc. Publ. No. 793: 64 pp. Mar. 1972.

374. BURBEE, C. R. Adjustments to Improve the Competitive Position of the Upper Midwest Turkey Industry. Ph. D. dissertation. Univ. of Minn. 148 pp. Mar. 1972.

375. JONES, H. B. Processed Poultry Comes of Age. Farm Index, Vol. II, No. 6: pp. 12-13. June 1972.

376. VERTRESS, JAMES G., and LARZELERE, HENRY E. Factors Affecting Shell Egg Distribution Channel Costs, Mich. Agr. Exp. Sta. Agr. Econ. Res. Rpt. No. 214: 50 pp. Mar. 1972.

Oilseeds, Tobacco, and Sugar

377. BALLINGER, ROY A. The Structure of the U.S. Sweetener Industry. Econ. Res. Serv. AER-213: 34 pp. Sept. 1971.

378. LARKIN, L. C. Economics of Sweetener Marketing: An Annotated Bibliography of Selected References. Econ. Res. Serv. ERS-474: 72 pp. Jan. 1972.

379. REIMUND, DONN A. Factors Affecting Tobacco Marketing in the Future. Presented, 24th Tobacco Workers Conf., Chattanooga, Tenn. Jan. 18-20, 1972.

380. REIMUND, DONN A., and WYNN, N. A. Tobacco Leaf Marketing: Present and Future. Econ. Res. Serv. MTS-184: pp. 15-18. Feb. 1972.

381. WALTER, BRUCE J. Noncaloric Sweeteners. Presented, Natl. Agr. Outlook Conf., Washington, D.C. 4 pp. Feb. 24, 1972.

382. WYNN, N. A. Tobacco Auction Marketing--Current Status and Problems. Presented, 24th Tobacco Workers Conf., Chattanooga, Tenn. 6 pp. Jan. 18-20, 1972.

IMPACT OF CONSUMER NEEDS AND DEMANDS ON MARKETING

383. FEASTER, J. GERALD. Impact of the Expanded Food and Nutrition Education Program on Low-Income Families: An Indepth Analysis. Econ. Res. Serv. AER-220: 73 pp. Feb. 1972.

384. HANDY, CHARLES. Should Government Policy be Based on Subjective Measures of Economic Performance? Presented, ann. mtg. Amer. Econ. Assoc., New Orleans, La. Dec. 1971.

385. LINGOES, JAMES, and PFAFF, MARTIN. Measurement of Subjective Welfare and Satisfaction. Presented, ann. mtg. Amer. Econ. Assoc., New Orleans, La. Dec. 1971.

386. PFAFF, ANITA. An Index of Consumer Satisfaction. Presented, ann. mtg. Amer. Econ. Assoc., New Orleans, La. Dec. 1971.

387. TAYLOR, EILEEN F. A Case Study of Food Dating in Selected Chicago Supermarkets. Econ. Res. Serv. MRR-943: 27 pp. Nov. 1971.

388. TAYLOR, EILEEN F. Consumer Response to the Dating of Food Products. Econ. Res. Serv. MTS-183: pp. 26-29. Nov. 1971.

389. TAYLOR, EILEEN F. Unit Pricing and Open Dating--Today and Tomorrow. Natl. Agr. Outlook Conf., Washington, D.C. 12 pp. Feb. 1972.

390. TAYLOR, EILEEN F. What Does the Consumer Really Want? United Fruit and Vegetable Assoc.: pp. 20-28. May 1972.

391. Beef by Any Other Name. Food and Home Notes. Unnumb. Apr. 3, 1972.

392. Food Stability Survey, Volume II. Dept. Food Sci., Rutgers Univ., The State Univ. of N.J. Aug. 1971.

IMPROVING PRICING SYSTEMS

Cross Commodities

393. ROGERS, G. B. Price Control Programs, 1917-71: Origins, Techniques, Effects on Food Prices. Econ. Res. Serv. AER-223: 33 pp. Apr. 1972.

Dairy

394. Milk Pricing Policy and Procedures, Part I: The Milk Pricing Problem (rpt. of the Milk Pricing Advisory Comm., U.S. Dept. Agr.). 48 pp. Mar. 1972.

Fibers and Fiber Products

395. CALKINS, E. W. S., CRAWFORD, D. E., ANDERSON, R. F., and SPURLOCK, H. C. Trends in Usage of Cotton and Competing Fibers, 1971. S.C. Agr. Exp. Sta. Bull. No. 559: 62 pp. June 1972.

396. LaFERNEY, PRESTON E., and PERKINS, HENRY H. Micronaire Blending of Medium Staple Cotton--An Economic Evaluation. Econ. Res. Serv. MRR-935: 26 pp. Aug. 1971.

397. ROGERS, CLARENCE D. Minimum Cost Model for Purchasing Cotton: A Linear Programming Approach. Presented, Spring 1972 mtg. of Textile Quality Control Assoc., Greenville, S.C. Mar. 16-17, 1972.

398. ROSS, JOHN E. Cotton's Competitive Position. Cotton Gin and Oil Mill Press, Vol. 73, No. 14: 12 pp. July 8, 1972; and Daily News Rec., Vol. 2, No. 128: 17 pp. June 30, 1972.

Livestock and Livestock Products

399. HEIFNER, RICHARD G. Optimal Hedging Levels and Hedging Effectiveness in Cattle Feeding. Econ. Res. Serv. Agr. Econ. Res., Vol. 24, No. 2: pp. 25-36. Apr. 1972.

400. LACY, KEITH H. An Analysis of Hedging Effectiveness in Live Beef Cattle Futures Among Ten Major Cattle Feeding Regions. M.S. thesis. Mich. State Univ. 1972.

401. MADSEN, ALBERT and LIU, ZENG RUNG. Pricing Feeder Cattle at Colorado Auctions. Colo. Exp. Sta. Tech. Bull. No. 114. Aug. 1971.

Poultry and Poultry Products

402. ROGERS, G. B., and VOSS, L. A. Readings on Egg Pricing. Univ. of Mo.--Columbia. 271 pp. Dec. 1971.

403. Progress Report of the National Egg Pricing System Study Committee, July 1970-Jan. 1972. N.J. Dept. Agr. 17 pp. Apr. 17, 1972.

DEVELOPMENT OF DOMESTIC MARKETS

Cross Commodities

404. ENOCHIAN, ROBERT V., and TAYLOR, EARL G. A Technical Assistance Program in North/Northeast Markets of Brazil. Econ. Res. Serv. Field Rpt. No. 14 (in coop. with USAID). May 1972.

405. VAN DRESS, MICHAEL G. Food Purchased by the Food Service Industry. Econ. Res. Serv. TS-138: pp. 19-25. Nov. 1971.

406. VAN DRESS, MICHAEL G. The Food Service Industry: Types, Quantity, and Value of Foods Used. Econ. Res. Serv. Stat. Bull. No. 476: 451 pp. Nov. 1971.

407. VAN DRESS, MICHAEL G. Separate Eating Places: Types, Quantity, and Value of Foods. Econ. Res. Serv. Stat. Bull. No. 487: 223 pp. June 1972.

408. Synthetics and Substitutes for Agricultural Products--Projections for 1980. Econ. Res. Serv. MRR-947: 64 pp. Mar. 1972.

Fibers

409. ROLLAG, NORMAN L. A Proposed Market Development for the Mohair Industry. Econ. Res. Serv. Unnumb.: 29 pp. Mar. 1972.

Grains and Grain Products

410. ENOCHIAN, ROBERT V., et al. Economic Evaluation of Millfeeds. Millfeeds Manual, Sec. V., Millers Natl. Fed., Chicago, Ill. 1972.

411. ENOCHIAN, ROBERT V., KUZMICKY, DONALD D., and KOHLER, GEORGE O. Wheat Millfeeds in Livestock Rations: An Economic Analysis. Econ. Res. Serv. AER-219: 38 pp. Jan. 1972.

412. VOSLOH, CARL J., JR. An Alfalfa Dehydrating Plant on the Colorado River Indian Reservation--A Feasibility Study. Econ. Res. Serv. Unnumb.: 44 pp. June 1971.

413. VOSLOH, C. J., JR., KUZMICKY, D. C., KOHLER, G. O., and ENOCHIAN, R. V. Alfalfa Products from Separation Milling--An Economic Study. Eleventh Technical Alfalfa Conf. Proc., Albany, Calif. July 29-30, 1971.

Dairy

414. MOEDE, HERBERT H. Cost of Instantizing Nonfat Dry Milk. Econ. Res. Serv. MRR-949: 18 pp. Mar. 1972.

Livestock

415. HENDERSON, PETER L. Pros and Cons of Selling State Branded Beef. Presented, Natl. Beef Promotion Workshop, Chicago, Ill. 6 pp. Apr. 6, 1972.

Fruits and Vegetables

416. NICHOLS, JOHN P., CONNOLLY, CHAN C., and DEGNER, ROBERT L. Fresh Market Acceptance of Two Types of Machine Harvestable Tomatoes. Tex. Agr. Market Res. and Devlpmt. Center (in coop. with Dept. of Agr. Econ. and Rural Sociol.) Texas A&M Univ. Res. and Ext. Center, Weslaco, Tex. 21 pp. Sept. 1971.

417. WHITE, ELIZABETH D., and KON, SAMUEL. Processes and Potential Markets for Instant Bean Powders Food Product Develpmt. June-July 1972.

418. WHITE, E. D., WALTERS, F. E., and RASMUSSEN, C.L. A Study of the Market Potential in the Southwestern States for Products Made from Dried Pinto Beans. U.S. Dept. Agr. (in coop. with Colo. State Univ. and Four Corners Region. Comm.). Oct. 1971.

IMPROVED ENVIRONMENTAL QUALITY

419. FORSHT, R. G., BURBEE, CLARK R., and CROSSWHITE, WILLIAM M. Economic Analysis of Recycling Poultry Waste by Feed. Econ. Res. Serv. Unpubl. manuscript: 78 pp. June 1972.

420. ROGERS, G. B., and VERTRESS, J. G. Agriculture, Marketing, and the Environment. Econ. Res. Serv. ERS-490: 5 pp. Aug. 1971.

421. VERTRESS, JAMES G. The Poultry Processing Industry: A Study of the Impact of Water Pollution Control Costs. Econ. Res. Serv. MRR-965: 54 pp. June 1972.

NATURAL RESOURCE ECONOMICS DIVISION

RESOURCE USE, CONSERVATION, AND DEVELOPMENT

422. BAKER, SIMON, and DILL, HENRY W., JR. The Look of Our Land--An Airphoto Atlas of the Rural United States: The Plains and Prairies. Econ. Res. Serv. Agr. Handb. No. 419: 84 pp. Oct. 1971.

423. BUIE, EUGENE C., GLYMPH, LOUIS M., and HENEBERRY, WILLIAM H. Development and the Role of Water. A Good Life for More People. Yearbook of Agriculture: pp. 345-350. 1971.

424. COTNER, MELVIN L. Resource Use and Protection--Land Use Situation and Issues. Presented, So. Ext. Environ. Policy and Natural Resources Comm., Atlanta, Ga. 28 pp. May 11, 1972.

425. COTNER, MELVIN L., and HENEBERRY, WILLIAM H. Economic Aspects of Water Resources. Presented, Res. Comm. for Water and Agr., Natl. Water Resources Assoc., Dallas, Tex. 6 pp. Nov. 1, 1971.

426. DAVIS, JEANNE M. Hope for Tomorrow's Landscapes Depends on Our Acting Today. Landscape for Living. Yearbook of Agriculture: pp. 348-362. 1972.

427. DAVIS, JEANNE M. Techniques for Planning Tomorrow's Landscapes. Landscape for Living. Yearbook of Agriculture: pp. 332-340. 1972.

428. DAVIS, JEANNE M., and McARDLE, RICHARD C. Small Gardens in Europe Make Cities Livable. Landscape for Living. Yearbook of Agriculture: pp. 312-318. 1972.

429. DILL, HENRY W., JR., and OTTE, ROBERT C. Urbanization of Land in the Northeastern United States. Econ. Res. Serv. ERS-485: 11 pp. Aug. 1971.

430. EDWARDS, CLARK, and OTTE, ROBERT C. Economic Growth Problems: Ways to Deal with Them. A Good Life for More People. Yearbook of Agriculture: pp. 273-278. 1971.

431. FORSHT, R. GAR, and JANSMA, J. DEAN. Measurement of Economic Growth and Development of Various Sized Central Place Areas in Pennsylvania. 1960-1970. Presented, Northeastern Agr. Econ. Council, Nova Scotia, Canada. 15 pp. June 19-21, 1972.

432. FREY, H. THOMAS, and DILL, HENRY W., JR. Land Use Changes in the Southern Mississippi Alluvial Valley, 1950-69: An Analysis Based on Remote Sensing. Econ. Res. Serv. AER-215: 26 pp. Oct. 1971.

433. HENEBERRY, WILLIAM H. Uses of Evapotranspiration Data by the Economic Research Service. Proceedings, Seminar on Evapotranspiration in the Great Plains, Bushland, Tex. pp. 35-40. Mar. 23-25, 1970.

434. HOLLOWAY, MILTON LEE. A Production Function Analysis of Water Resource Productivity in Pacific Northwest Agriculture. Ph. D. dissertation. Oreg. State Univ. Dept. of Agr. Econ. 205 pp. 1972.

435. KRAUSE, ORVILLE. Farm Production Capacity Can Meet Our Needs. A Good Life for More People. Yearbook of Agriculture: pp. 278-284. 1971.

436. MASSEY, DEAN T. (Editor). Implementation of Regional Research in Water-Related Problems. The Univ. of Wisc. Univ. Ext. Dept. of Law. 75 pp. 1970.

437. MASSEY, DEAN T. North Central Region Research Project NC-57 Termination Report. Econ. Res. Serv. 43 pp. 1972.

438. McMARTIN, WALLACE, HAAS, HOWARD J., and WILLIS, WAYNE O. Economics of Forage Production on Level Benches in the Northern Great Plains. Jour. Soil and Water Conserv., Vol. 25, No. 5: pp. 185-189. 1970.

439. OSBORN, JAMES E., HOLLOWAY, MILTON, and WALKER, NEAL. Importance of Irrigated Crop Production to a Seventeen County Area in Texas High Plains. Tex. Tech. Univ. Col. of Agr. Sci. (in coop. with Econ. Res. Serv.). Water Resources Council, Lubbock, Tex. WRC-72-2: 38 pp. May 1972.

440. ROSENBERRY, PAUL E., and MOLDENHAUER, W. C. Economic Implications of Soil Conservation. Jour. Soil and Water Conserv., Vol. 26, No. 6: pp. 220-224. Nov.-Dec. 1971.

441. ROSENBERRY, PAUL E., and MOLDENHAUER, W. C. Economic Aspects of Conservation Practices. Presented, mtg. on Tillage Practices for Improving Runoff Water and Quality, Lincoln, Nebr. 17 pp. Mar. 22-24, 1972.

442. SLOGGETT, GORDON R. Planning for Water Systems in Rural Economic Development. Proceedings, Rural Devlpmt. Plan. Workshop. Stillwater, Okla. Okla. State Univ. Exp. Sta. Res. Rpt. P-665: pp. 158-163. July 12-23, 1971.

443. TWEETEN, LUTHER, and QUANCE, LEROY. The Impact on Net Farm Income of National Inflation. Presented, Amer. Agr. Econ. Assoc. mtg., Carbondale, Ill. 28 pp. Aug. 15-18, 1971.

444. WEINBERGER, MORRIS L., and HILL, HOWARD L. Benefit-Cost Relationships in Sediment Control. Proceedings, 26th ann. mtg., Soil Conserv. Soc. of Amer., Columbus, Ohio. pp. 69-73. Aug. 15-18, 1971.

445. WUNDERLICH, GENE, and ANDERSON, WILLIAM DYER. Managing Space for Us All. A Good Life for More People. Yearbook of Agriculture: pp. 7-15. 1971.

446. Land: Cropland Used for Crops in Each Farm Production Region, 1950-70. Econ. Res. Serv. Supp. II to Changes in Farm Production and Efficiency. Stat. Bull. No. 233: 7 pp. Sept. 1971.

RESOURCE USE FOR ENVIRONMENTAL ENHANCEMENT

447. BLANK, ULE, and STIPE, STERLING. Economic Impact of the Crow Wing Canoe Trail, Winona County, Minn. Econ. Res. Serv. ERS-467: 29 pp. Apr. 1971.

448. CHEN, DAVID, BUSE, R. C., STANIFORTH, S. D., and CHRISTIANSEN, R. A. Estimating Capital Requirements and Operating Costs: A Planning Guide for Wisconsin Resorts. Recreation Resources Center, Univ. of Wisc. Ext. and Dept. of Agr. Econ. (in coop. with Econ. Res. Serv.). Unnumb.: 35 pp. June 1972.

449. CHING, C. T. K., and FRICK, G. E. A Simple Computer Oriented Assessment Procedure. Assessors Jour., Vol. 6, No. 2: pp. 3-9. July 1971.

450. CHRISTIANSEN, R. A. Economic Findings Relating to Wisconsin's Privately Owned Recreation Facilities. The Shape of Things to Come: Proceedings, 26th ann. mtg., Soil Conserv. Soc. of Amer., Columbus, Ohio. pp. 140-145. Aug. 15-18, 1971.

451. CHRISTIANSEN, R. A., COOPER, R. B., and STANIFORTH, S. D. Some Descriptive and Economic Facts Relating to Wisconsin Gun Clubs. Univ. of Wisc. Col. of Agr. and Life Sci. (in coop. with Econ. Res. Serv.) Res. Rpt. No. R-2341: 11 pp. Nov. 1971.

452. CHRISTIANSEN, R. A., STANIFORTH, S. D., and PAMPERIN, S. J. Community Action for Recreation Development. Recreation Resource Center, Univ. of Wisc. Ext. and Dept. of Agr. Econ. (in coop. with Econ. Res. Serv.). Unnumb.: 24 pp. Nov. 1971.

453. COOPER, R. B., STANIFORTH, S. D., JOHNSON, A. C., JR., and CHRISTIANSEN, R. A. Some Organizational and Income-Determining Features of the Wisconsin Outdoor Recreation Industry. Recreation Resources Center, Univ. of Wisc. and Col. of Agr. and Life Sci. (in coop. with Econ. Res. Serv.). Unnumb.: 45 pp. 1972.

454. COTNER, MELVIN L. Rural Land Use and the Environment: Programs and Activities of USDA. Statement before Air Quality-Water Pollution Advisory Boards, San Francisco, Calif. 62 pp. Mar. 27-29, 1972.

455. CROSSWHITE, WILLIAM M. Implementation of Effective Pollution Control by Food Processors. Southern Jour. Agr. Econ., Vol. 3, No. 1: pp. 15-22. Dec. 1971.

456. CROSSWHITE, WILLIAM M. Economics of In-Plant Waste Management in Food Processing. Proceedings, Cornell Agr. Waste Mangt. Conf., Syracuse, N.Y. pp. 237-248. Jan. 31-Feb. 2, 1972.

457. DARLINGTON, ERNEST B., and CHRISTIANSEN, RUDOLPH, A. Remodeling Rural Homes. A Good Life for More People. Yearbook of Agriculture: pp. 96-98. 1971. 1971.

458. FORSHT, GAR, BINIEK, JOSEPH P., and CROSSWHITE, WILLIAM M. Economic Analysis of Recycling Poultry Waste as Feed. Econ. Res. Serv. Prepared for USDA Task Force on Recycling Animal Waste as Feed. 79 pp. June 1972.

459. FRICK, GEORGE E., CHING, C. T. K., and CHRISTENSEN, R. A. The Effect on Municipal Expenditures of a Rural Public Park. Proceedings, Western Agr. Econ. Assoc., Squaw Valley, Calif. pp. 153-156. July 25-27, 1971.

460. GLASS, RONALD J., COX, P. THOMAS, and GSOTTSCHNEIDER, RICHARD. Factors Influencing the Survival or Attrition of Water-Based Recreational Enterprises--Connecticut River Basin. N.H. Agr. Exp. Sta. (in coop. with Econ. Res. Serv.) Res. Rpt. No. 24: 25 pp. June 1972.

461. JOHNSON, H. A., JOHNSON, A. C., JR., and CHRISTIANSEN, R. A. The Composition of the "Recreation Package" of Resort Visitors in Wisconsin, 1967. Univ. of Wisc. Col. of Agr. and Life Sci. (in coop. with Econ. Res. Serv.) Res. Rpt. No. 2362: 11 pp. Dec. 1971.

462. McARTHUR, J. WAYNE, SUMMIT, WILLIAM R., and COPPEDGE, ROBERT O. Outdoor Recreation in North-Central New Mexico, 1967. Econ. Res. Serv. ERS-483: 30 pp. Aug. 1971.

463. WARD, R. C., LINK, D. A., and CROSSWHITE, WILLIAM M. An Application of Network Theory to Waste Management in Poultry Processing. Water Resources Bull., Vol. 8, No. 3: pp. 495-504. June 1972.

464. Agriculture and the Environment. Econ. Res. Serv. Reprinting of special articles written for Mar.-June 1971 issues of Farm Index. Authors: David M. Brewster, Roger Strohbehn, Robert Otte, Joseph P. Biniek, and Melvin L. Cotner. ERS-481: 11 pp. July 1971.

RESOURCE ORGANIZATION AND PROPERTY RIGHTS

465. AYERS, E. KENT, and BECK, ROBERT E. Water Management Districts in North Dakota. N. Dak. Law Review, Vol. 48, No. 3: pp. 361-381. (Based on research performed under contract with Econ. Res. Serv.). Spring 1972.

466. AYERS, EUNICE, and WUNDERLICH, GENE. The Recorder and Land Records. Proceedings, Conf. on Indexing Title and Other Land Data, Atlanta, Ga. pp. 1-10. Jan. 20, 1972.

467. BIRD, ALAN R., and COTNER, MELVIN L. Breakthrough: Looking Back from 2000. A Good Life for More People. Yearbook of Agriculture. pp. 384-385. 1971.

468. BOXLEY, ROBERT F. Cost-Share Leases Revisited, Again. Amer. Jour. of Agr. Econ., Vol. 53, No. 3: pp. 529-532. Aug. 1971.

469. BOXLEY, ROBERT F. Farm Size and the Distribution of Farm Numbers. Agr. Econ. Res., Vol. 23, No. 4: pp. 87-94. Oct. 1971.

470. BOXLEY, ROBERT F., and ANDERSON, WILLIAM A. The Incidence of Benefits from Commodity Price-Support Programs: A Case Study of Tobacco. Presented, Tenth ann. conf. of the Comm. on Taxation, Resources and Econ. Devlpmt., Madison, Wisc. 48 pp. Oct. 23-25, 1971.

471. DAVIS, PETER N. Theories of Water Pollution Litigation. Wisc. Law Rev., Vol. 197, No. 3: pp. 738-816. 1971.

472. HOLMES, BEATRICE HORT. A History of Federal Water Resources Programs, 1800-1960. Econ. Res. Serv. Misc. Publ. No. 1233: 51 pp. June 1972.

473. HUTCHINS, WELLS A. (completed by ELLIS, HAROLD H., and DeBRAAL, J. PETER.) Water Rights Laws in the Nineteen Western States: Vol. I. Econ. Res. Serv. Misc. Publ. No. 1206: 650 pp. 1971.

474. MASSEY, DEAN T. People, Bears Bring on Landfill Legislation. Econ. Res. Serv. The Farm Index: p. 10. June 1972.

475. MOYER, D. DAVID. County Cadastres and Compatible Parcel Identifiers: Needs and Costs. Presented, Amer. Bar Found. Conf. on Compatible Land Identifiers, Atlanta, Ga. 44 pp. Jan. 20-23, 1972.

476. MOYER, D. DAVID, et al. Identification and Analysis of Probable Consequences of a Standard Parcel Identifier. Comm. rpt., prepared for Amer. Bar Found. 10 pp. July 1972.

477. WUNDERLICH, GENE. Property and the Environment. Proceedings, Northeastern Agr. Econ. Council, Amherst, Mass. pp. 29-48. June 1971.

478. WUNDERLICH, GENE. Emerging Views of Rights and Responsibilities of Owners and Users of Land. Seminar proceedings, Issues in Natural Resource Use and Devlpmt., North Central Region. Strategy Comm. on Natural Resource Devlpmt. Rpt. No. 1: pp. 1-18. Oct. 1971.

479. WUNDERLICH, GENE. The Changing System of Land Records. Econ. Res. Serv. Farm Index: p. 10. Apr. 1972.

480. WUNDERLICH, GENE. Perspectives of Property: An Introduction. Inst. for Res. on Land and Water Resources, Univ. Park, Pa. pp. 1-8. 1972.

481. WUNDERLICH, GENE. Title Examination in Virginia. Va. Polytech. Inst. and State Univ. Agr. Econ. Res. Rpt. No. 10: 16 pp. July 1972.

482. WUNDERLICH, GENE, and ANDERSON, WILLIAM DYER. Managing Space for All of Us. A Good Life for More People. Yearbook of Agriculture: pp. 7-15. 1971.

483. WUNDERLICH, GENE, and MILLS, D. The National Survey of Real Estate Records. The Amer. County: p. 12. Sept. 1971.

RESOURCE PLANNING, INVESTMENTS, AND FINANCING

484. BOXLEY, ROBERT F., and ANDERSON, WILLIAM D. Two Public Programs: Their Incidence on Private Investment Decisions. Presented, Seminar on Real Property Taxation, Public Finance and Land Use, Southern and Interregional Resource Econ. Comm., Dulles Airport, Va. 27 pp. Apr. 27, 1972.

485. COOK, NEIL R. Efficiency of Water Resource Development in Achieving Regional Economic Development. Proceedings of a Seminar, Denver, Colo., July 22-23, 1971. Great Plains Agr. Council Publ. No. 54: pp. 63-79. Dec. 1971.

486. FLETCHER, ROBERT R., and BADGER, DANIEL D. Socio-Economic Considerations in Developing a New City in a Rural Area. Presented, ann. mtg., Western Region. Sci. Assoc., Santa Barbara, Calif. 19 pp. Feb. 26-28, 1971.

487. FLETCHER, ROBERT R., and BADGER, DANIEL D. Economic Impact of a Growth Center through Development of a New City in a Rural Area. Amer. Jour. Agr. Econ., Vol. 53, No. 5: p. 844. Dec. 1971.

488. HOGG, HOWARD C. Optimum Irrigation Investment for a Sugar Plantation Occupying Several Climatic Zones. Hawaii Agr. Exp. Sta. (in coop. with Econ. Res. Serv.) Res. Rpt. No. 195: 23 pp. Apr. 1972.

489. PAVELIS, GEORGE A. The Benefit-Cost Ratio in Resource Development Planning. Southern Jour. Agr. Econ.: pp. 161-166. Dec. 1971.

490. PAVELIS, GEORGE. Planning Natural Resource Development: An Introductory Guide. Econ. Res. Serv. Agr. Handbk. No. 431: 30 pp. May 1972.

491. PIPER, DANIEL G., STROHBEHN, ROGER W., and BOXLEY, ROBERT F. Analysis of Alternative Procedures for the Evaluation of Agricultural Flood Control Benefits. Vol. II. Inst. for Water Resources, Corps of Engineers, Dept. of the Army, Alexandria, Va. IWR Rpt. 71-4: 117 pp. July 1971.

492. RANKINE, LLOYD B., DAVIDSON, JACK R., and HOGG, HOWARD C. Estimating the Productivity of Irrigation Water for Sugarcane Production in Hawaii. Univ. of Hawaii (in coop. with Econ. Res. Serv.) Tech. Rpt. No. 56: 66 pp. June 1972.

493. THARP, MAX M., and HILL, HOWARD L. National Land Use Policy. Presented, Ext. Community Resource Devlpmt. Staff Training Conf. on Land Use and Comprehensive Planning, Louisville, Ky. 20 pp. Feb. 15-16, 1972.

494. WEINBERGER, MORRIS L. Economic Evaluation of Projects during Implementation and A Posteriori, and Comparison with Targets Set by the Feasibility Studies. Presented, Seminar on Irrigation Policies in OECD Mediterranean Countries, Athens, Greece. 24 pp. Oct. 11-16, 1971.

RESOURCE PROJECTIONS AND ANALYTIC TECHNIQUES

495. ASHTON, PETER G., and CHUBB, MICHAEL. A Preliminary Study for Evaluating the Capacity of Waters for Recreational Boating. Water Resources Bull., Amer. Water Resources Assoc., Vol. 8, No. 3: pp. 571-577. June 1972.

496. BOONE, LARRY. Planned Research Concerning the Economic and Institutional Considerations of Suppressing Hail. Presented, ann. Inter-Agency Conf. on Weather Modification, Front Royal, Va. 9 pp. Oct. 12-15, 1971.

497. DRAKE, RONALD L., RANDALL, STANLEY, and WILKINS, JOHN R. North-Central New Mexico: Forest Resource Management Analysis: Phase I Report. Econ. Res. Serv. (in coop. with Forest Serv.) Tech. Rpt.: 145 pp. July 1971.

498. GREEN, JOHN W. Economic, Environmental, and Land Use Planning Utilizing the Empiric Model. Presented, mtg. of Northeast Agr. Econ. Conf., Truro, Nova Scotia. 14 pp. June 19-21, 1972.

499. HARRIS, GENE. The Use of Linear Programming in Multiobjective Water Resources Planning. Econ. Res. Serv. 22 pp. Oct. 1971.

500. McKUSICK, ROBERT B., and SNYDER, J. HERBERT. A Regional Approach to Project Evaluation. Water Resources Bull., Amer. Water Resources Assoc., Vol. 8, No. 3: pp. 431-445. June 1972.

501. PUTMAN, JOHN W., KAISER, H. FRED, and WORLEY, DAVID P. Forest Range Environmental Study (FRES). Amer. Jour. Agr. Econ., Vol. 53, No. 5: p. 902. Dec. 1971.

502. QUANCE, LEROY. National Interregional Agricultural Projection System. Presented, mtg. of North-Central Res. Strategy Comm. on Natl. Resource Devlpmt, Ames, Iowa. 28 pp. 1972.

503. QUANCE, LEROY, and TWEETEN, LUTHER. Simulating the Impact of Input Inflation on Farm Income. Southern Jour. Agr. Econ.: pp. 51-57. Dec. 1971.

COMPREHENSIVE WATER RESOURCES PLANNING

504. ALLEN, MELVIN, and KUNTZ, B. TED. Agricultural Land Resources, Their Productivity and Use, Lower Mississippi Region. Econ. Res. Serv. 96 pp. Jan. 1972.

505. CHRISTENSEN, LEE A., and BULL, LEONARD. The Economic Base of the Southeast Wisconsin Rivers Basin, with Emphasis on the Agricultural Sector. Econ. Res. Serv. (in coop. with Soil Conserv. Serv. and Forest Serv.) Res. Rpt. No. 13: 137 pp. Mar. 1972.

506. COOK, NEIL R. Efficiency of Water Resource Development in Achieving Regional Economic Development. Presented, Seminar on the Role of Water Resources in the Econ. Devlpmt. of the Great Plains, Denver, Colo. 18 pp. July 22-23, 1971.

507. HARRIS, GENE. The Projected Effects of Water Resource Development in Land Use and Crop Production Costs in the White River Basin. Univ. of Ark. Agr. Ext. Serv. (in coop. with Econ. Res. Serv.) Bull. No. 764: 51 pp. June 1971.

508. HARRIS, GENE. Agricultural Impact of Water Resource Development Proposals in the Kissimmee-Everglades Area. Econ. Res. Serv. 28 pp. Mar. 1972.

509. HARRIS, GENE. The Use of Linear Programming in Multiobjective Water Resource Planning. Econ. Res. Serv. 21 pp. May 1972.

510. JONES, GARY C. An Economic Base Study of the Alabama River Basin. Econ. Res. Serv. 91 pp. Mar. 1972.

511. WILLIAMS, JERRY. Population, Income, and Employment of the Obion-Forked Deer Study Area. Econ. Res. Serv. 26 pp. Apr. 1972.

512. Comprehensive Framework Study: California Region--Appendix IV, Economic Base and Projections. Prepared by Calif. Region. Framework Study Comm. for the U.S. Water Resources Council. 258 pp. June 1971.

513. Comprehensive Framework Study: California Region--Appendix XVII, General Programs and Alternatives. Prepared by Calif. Region. Framework Study Comm. for the U.S. Water Resources Council. 169 pp. June 1971.

RESOURCE CONSERVATION AND DEVELOPMENT PROGRAM SUPPORT

514. BROWN, RICHARD N., JR. Economic Impact of Second-Home Communities: A Case Study of Lake Latonka, Pa. Econ. Res. Serv. ERS-452: 55 pp. Nov. 1970.

515. RUSSELL, JESSE R. Catfish Processing--A Rising Southern Industry. Econ. Res. Serv. AER-224: 33 pp. Apr. 1972.

WATERSHED INVESTIGATIONS

516. Inventory of Benefits, Costs, and Other Data for P.L. 566 Watershed Work Plans: A Staff Report on Project Plans Approved to July 1971 under Public Law 83-566. Econ. Res. Serv. 19 pp. Mar. 1972.

FOREIGN DEMAND AND COMPETITION DIVISION

CURRENT SITUATION AND SHORT-RUN OUTLOOK FOR AGRICULTURE AND TRADE

517. BARRY, ROBERT D. Philippines Imports Rice to Swell Stocks and Deflate Prices. Foreign Agriculture: p. 11. Aug. 30, 1971.

518. BREITENLOHNER, CYNTHIA A. Farms in West Germany Average Under 24 Acres. Econ. Res. Serv. Farm Index: p. 20. Oct. 1971.

519. BREITENLOHNER, CYNTHIA A. The Agricultural Economy and Trade of the Federal Republic of Germany. Econ. Res. Serv. ERS-For.-325: 28 pp. Nov. 1971.

520. BYRNE, ANGEL O. Soviet Cotton Makes a Comeback. Econ. Res. Serv. Farm Index: p. 20. Feb. 1972.

521. BYRNE, ANGEL O. Livestock Production Tap, Crops Down in USSR. Econ. Res. Serv. Farm Index: p. 20. Apr. 1972.

522. BUCK, WILBUR F. Agriculture and Trade of Dominican Republic. Econ. Res. Serv. ERS-For.-330: 42 pp. Feb. 1972.

523. CHRISLER, DONALD. USSR Takes Canadian Wheat Despite Own Bumper Crop. Foreign Agriculture: pp. 10-11. July 12, 1971.

524. CHRISLER, DONALD. USSR Plans Large-Scale Livestock Enterprises. Econ. Res. Serv. Farm Index: p. 19. Aug. 1971.

525. COHEN, MARSHALL H. Western Europe's Wheat and Feedgrains Rebound to Possible Record Output. Foreign Agriculture: pp. 3-4. Aug. 16, 1971.

526. COHEN, MARSHALL H. Common Market Benefits Lure Danish Farmers Toward EC Membership. Foreign Agriculture: pp. 3-4. Sept. 6, 1971.

527. COLLINS, H. CHRISTINE. Reforms Come to Romanian Farmers. Econ. Res. Serv. Farm Index: p. 20. Sept. 1971.

528. COLLINS, H. CHRISTINE. The Agricultural Economy and Trade of Romania. Econ. Res. Serv. ERS-For.-320: 38 pp. Nov. 1971.

529. COLLINS, H. CHRISTINE. Eastern Europe's 1972 Grain Crop Threatened. Foreign Agriculture: p. 9. May 8, 1972.

530. COYNER, MARY S. Agriculture and Trade of El Salvador. Econ. Res. Serv. ERS-For.-323: 27 pp. Nov. 1971.

531. DENNEY, E. WAYNE. Typhoons and Tungro Cause Philippines to Import More Rice. Foreign Agriculture: pp. 8, 12. Jan. 31, 1972.

532. ELLISON, DIANE B. Problems Curb Argentina's Vast Agricultural Potential. Foreign Agriculture: pp. 13, 14, 17. Apr. 24, 1972.

533. FRIEND, REED E. EC Wheat: Food for Feed. Econ. Res. Serv. Farm Index: pp. 18-19. Aug. 1971.

534. HALL, WILLIAM F. Sudan Buys U.S. Wheat for the First Time Since Arab-Israeli Conflict. Foreign Agriculture: pp. 8-9. Mar. 6, 1972.

535. HERRMANN, LOUIS F. Changes in Agricultural Production in Brazil, 1947-65. Econ. Res. Serv. FAER-79: 87 pp. June 1972.

536. HERTFORD, REED. Sources of Change in Mexican Agricultural Production, 1940-65. Econ. Res. Serv. FAER-73: 106 pp. Aug. 1971.

537. HORST, JAMES R. The Agricultural Economy and Trade of the United Kingdom. Econ. Res. Serv. ERS-For.-317: 12 pp. Oct. 1971.

538. HORST, JAMES R. Britain's Membership in the EC: New Mix for Feedstuffs. Econ. Res. Serv. Farm Index: pp. 15-16. Dec. 1971.

539. KRAUSE, ELFRIEDE A. Structural Changes in West German Agriculture. Econ. Res. Serv. ERS-For.-339: 66 pp. June 1972.

540. KURTZIG, MICHAEL E. Jordan's Agricultural Economy in Brief. Econ. Res. Serv. ERS-For.-326: 12 pp. Jan. 1972.

541. KURTZIG, MICHAEL E. Israel's Agricultural Trade. Foreign Agriculture: pp. 7-8. May 1, 1972.

542. LARSEN, MARION R. Sky High Agriculture. Econ. Res. Serv. Farm Index: p. 19. Aug. 1971.

543. LARSEN, M. R. Home Needs Influence Mainland China's Pattern of Foreign Agricultural Trade. Foreign Agriculture: pp. 4-7. Oct. 11, 1971.

544. LONG, MARY E. Australian Farm Trade Concerned About Britain's EC Membership. Foreign Agriculture: pp. 8-9. Sept. 13, 1971.

545. LONG, MARY E. Butter for Britain. Econ. Res. Serv. Farm Index: pp. 18-19. Sept. 1971.

546. LONG, MARY E. Britain's Entry Into EC Threatens the Position of New Zealand's Farm Exports. Foreign Agriculture: pp. 8-9. Oct. 11, 1971.

547. LOPES, JAMES. The Agricultural Economy and Trade of Spain. Econ. Res. Serv. ERS-For.-327: 30 pp. Feb. 1972.

548. LOPES, JAMES. Spain: A Country at Work. Econ. Res. Serv. Farm Index: pp. 18-19. Feb. 1972.

549. LOPES, JAMES. Spain's Agriculture in the 1960's. Foreign Agriculture: pp. 6-7. May 8, 1972.

550. LOPES, JAMES. Spain's Agriculture in the 1970's. Foreign Agriculture: pp. 7-9. May 8, 1972.

551. LOPES, JAMES, and PHILLIPS, DONALD M., JR. The European Free Trade Association Without the United Kingdom, Denmark and Norway: Implications for Agricultural Exports of the Remaining EFTA Countries and the United States. Econ. Res. Serv. ERS-For.-338: 36 pp. Apr. 1972.

552. LOPES, JAMES, and PHILLIPS, DONALD M., JR. The EC and EFTA Neutrals. Foreign Agriculture: pp. 7-9, 12. May 22, 1972.

553. LOPES, JAMES, and PHILLIPS, DONALD M., JR. EC/EFTA Trade Talks: New Worry for U.S. Econ. Res. Serv. Farm Index: pp. 18-19. May 1972.

554. LOVFALD, LORIN O., and PARKER, JOHN B. U.S. Farm Imports from Far East Hit Record Level--Almost Half Come from Philippines. Foreign Agriculture: p. 9. June 19, 1972.

555. PARKER, JOHN B. Pakistan's Grain Production, Use and Trade. Foreign Agriculture: pp. 2-4. July 6, 1971.

556. PARKER, JOHN B. India's Food Grain Output Reaches High in 1970-71. Foreign Agriculture: pp. 8-9. Nov. 15, 1971.

557. PARKER, JOHN B. Changes Expected in South Asia's Agricultural Trade. Foreign Agriculture: pp. 5, 16. Feb. 7, 1972.

558. PARKER, JOHN B. India Whittles Wheat Imports. Econ. Res. Serv. Farm Index: pp. 18-19. Apr. 1972.

559. PARKER, JOHN B. Bangladesh Expects to Double Its Farm Imports Despite Near-Normal Crops. Foreign Agriculture: pp. 2-3. June 26, 1972.

560. PARKER, JOHN B. New Technology in India's Agriculture and Outlook for Grain Production. Econ. Res. Serv. ERS-For.-341: 48 pp. June 1972.

561. PIKE, CLARENCE E. Japanese Overseas Aid and Investments--Their Potential Effects on World and U.S. Farm Exports. Econ. Res. Serv. FAER-81: 57 pp. June 1972.

562. PIKE, CLARENCE E. Japan's Overseas Aid and Investments Build New Sources of Food and Feed Imports: Part I. Foreign Agriculture: pp. 2-4. June 19, 1972.

563. PIKE, CLARENCE E. Japan's Overseas Aid and Investments Build New Sources of Food and Feed Imports: Part II. Foreign Agriculture: pp. 6-8. July 3, 1972.

564. ROENICK, WILLIAM P. A Comparison of Agriculture in the U.S. and EC. Econ. Res. Serv. Farm Index: p. 19. July 1971.

565. RUFF, SAMUEL O. Brazil Sets New Farm Support Prices. Foreign Agriculture: p. 9. Oct. 4, 1971.

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567. SCHNEIDER, LINDA B. 1970-71 Sugar Crop Recovers. Foreign Agriculture: p. 12. Oct. 18, 1971.

568. STEINER, HERBERT H. U.S. Maintains Steady Position in Morocco's Ten-Year Farm Trade. Foreign Agriculture: pp. 4-5. Jan. 24, 1972.

569. TSU, SHELDON K. High-Yielding Varieties of Wheat in Developing Countries. Econ. Res. Serv. ERS-For.-322: 40 pp. Sept. 1971.

570. VANKAI, THOMAS A. New Freedom and Gains in Hungary's Collective Agriculture. Foreign Agriculture: pp. 8-9. Sept. 6, 1971.

571. The Agricultural Economy of Nigeria. Econ. Res. Serv. ERS-For.-329: 47 pp. Mar. 1972.

572. Agricultural Marketing Systems in the EEC-Member Countries. Econ. Res. Serv. (Study done under contract by Instit fur Wirtschaftsforschung, Munich, Germany.) Vol. I Text: 422 pp.; Vol. II Tables: 300 pp. 1971.

573. The Agricultural Situation in Africa and West Asia: Review of 1971 and Outlook for 1972. Econ. Res. Serv. ERS-For.-335: 74 pp. Apr. 1972.

574. The Agricultural Situation in Communist Areas--Review of 1971 and Outlook for 1972. Econ. Res. Serv. ERS-For.-336: 43 pp. Apr. 1972.

575. The Agricultural Situation in the Far East and Oceania. Econ. Res. Serv. ERS-For.-337: 46 pp. Apr. 1972.

576. The Agricultural Situation in the Western Hemisphere--Review of 1971 and Outlook for 1972. Econ. Res. Serv. ERS-For.-334: 41 pp. Apr. 1972.

577. The Agricultural Situation in Western Europe--Review of 1971 and Outlook for 1972. Econ. Res. Serv. ERS-For.-333: 40 pp. Apr. 1972.

578. Agri-World 72: Communist Areas. Econ. Res. Serv. Farm Index: p. 19. June 1972.

579. World Agricultural Situation. Econ. Res. Serv. WAS-2: 18 pp. Nov. 1971.

TRADE AND MONETARY POLICIES AND PROGRAMS

580. BARSE, JOSEPH R. Japan Struggles With Heavy Surpluses of Rice. Foreign Agriculture: p. 6. Nov. 8, 1971.

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582. GOOLSBY, O. HALBERT. The Gold Float. Foreign Agriculture: pp. 6-7. Sept. 27, 1971.

583. GOOLSBY, O. HALBERT. The International Monetary Issues. Foreign Agriculture: pp. 4-6, 14. Sept. 27, 1971.

584. GOOLSBY, O. HALBERT. Problems in Measuring the Balance of Payments. World Monetary Conditions No. 1: p. 23. Nov. 1971.

585. GOOLSBY, O. HALBERT. New Exchange Rates Apply to Agricultural Trade. Econ. Res. Serv. ERS-For.-342. Apr. 1972.

586. GOOLSBY, O. HALBERT. U.S. Agriculture and the Balance of Payments. World Monetary Conditions No. 1: p. 21. Nov. 1971; and No. 2: p. 1. May 1972.

587. GOOLSBY, O. HALBERT. Recent Monetary Changes Meet Interim Needs of International Monetary System. Foreign Agriculture: pp. 6-8. June 26, 1972.

588. GOOLSBY, O. HALBERT, and SANTMYER, CAROLEE. International Survey of Monetary Conditions. World Monetary Conditions No. 1: p. 1. Nov. 1971; and No. 2: p. 1. May 1972.

589. MACKIE, ARTHUR B. Patterns of World Agricultural Trade. Special paper prepared for Conf. on U.S. Agr. Trade Policy and Agr. Exports, Ames, Iowa. Econ. Res. Serv. July 1971.

590. MACKIE, ARTHUR B. Changing Patterns of United States and Worldwide Agricultural Trade. Foreign Agriculture: p. 2. Oct. 18, 1972.

591. PRITCHARD, NORRIS T., STEELE, W. SCOTT., and HUTH, WILLIAM P. Food Marketing in West Germany: Developments, Prospects for 1980, Significance for U.S. Exports. Econ. Res. Serv. FAER-76: 50 pp. Feb. 1972.

592. SANTMYER, CAROLEE. International Financing Organizations: How They Help Trade, Part II--The World Bank Group. Foreign Agriculture: pp. 6-9. July 12, 1971.

593. SANTMYER, CAROLEE. The World Bank Group and Agriculture. Foreign Agriculture: p. 6. July 12, 1971.

594. SANTMYER, CAROLEE. The Inter-American Development Bank and Agriculture. Foreign Agriculture: p. 9. July 19, 1971.

595. SANTMYER, CAROLEE. Interest Rates, Influential but Elusive Monetary Factor. World Monetary Conditions No. 2: p. 34. May 1972.

596. VELLIANITIS, AMALIA. Swiss, Austrian Revaluations Affect U.S. Trade Little. Foreign Agriculture: pp. 12-16. Aug. 23, 1971.

597. VELLIANITIS, AMALIA. The Asian Development Bank and Agriculture. Foreign Agriculture: p. 5. Sept. 6, 1971.

598. VELLIANITIS, AMALIA. Financial Conditions in Selected Foreign Markets for U.S. Farm Commodities. World Monetary Conditions No. 1: p. 11. Nov. 1971; and No. 2: p. 9. May 1972.

PROJECTION OF WORLD SUPPLY, DEMAND AND TRADE OF AGRICULTURAL COMMODITIES

599. FRIEND, REED E. Use of Wheat for Feed in the European Economic Community with Projections to 1975. Econ. Res. Serv. FAER-74: 81 pp. Aug. 1971.

600. FRIEND, REED E. Australia: Agriculture in Transition. Foreign Agriculture: pp. 2-4, 16. Mar. 27, 1972.

601. HORST, JAMES R. Compound Feeds in the United Kingdom: Effects of Support Policies on Use of Ingredients. Econ. Res. Serv. ERS-For.-324: 59 pp. Feb. 1972.

602. HUTCHISON, JOHN E. Beef and Grain Potentials of Argentina Mixed in Outlook. Foreign Agriculture: pp. 7-8. Apr. 24, 1972.

603. MISSIAEN, EDMOND. Canadian Grain and Beef Production Expected to Show Gains by 1975. Foreign Agriculture: pp. 2-4. Jan. 10, 1972.

604. ROJKO, ANTHONY S., URBAN, FRANCIS S., and NAIVE, JAMES J. World Demand Prospects for Rice in 1980. Econ. Res. Serv. RS-19: 7 pp. Mar. 1972.

605. URBAN, FRANCIS S. Agricultural Prospects in Argentina. Econ. Res. Serv. ERS-For.-331: 11 pp. Feb. 1972.

606. Argentina: Growth Potential of the Grain and Livestock Sectors. Econ. Res. Serv. FAER-78: 123 pp. May 1972.

607. Australia: Growth Potential of the Grain and Livestock Sectors. Econ. Res. Serv. FAER-80: 154 pp. May 1972.

608. Canada: Growth Potential of the Grain and Livestock Sectors. Econ. Res. Serv. FAER-77: 130 pp. June 1972.

ANALYSIS OF THE IMPACT OF COMMODITY DEVELOPMENTS ON SHORT- AND LONG-RANGE PROSPECTS FOR U.S. AGRICULTURAL TRADE

609. FLIGINGER, C. JOHN, GAVETT, EARL, PODNEY, JOSEPH C., and POWELL, LEVI A., SR. Supplying U.S. Markets with Fresh Winter Produce: Capabilities of U.S. and Mexican Production Areas. Supplement to AER-154: 25 pp. Sept. 1971.

610. HIRSCH, HANS G. "Terms of Trade" of U.S. Agriculture Continue Sharp Rise in Spring. Econ. Res. Serv. FATUS: pp. 45-48. Sept. 1971.

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TRADE AND PRODUCTION STATISTICS

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616. LEMON, ISAAC E. U.S. Agricultural Exports as Share of Production. Econ. Res. Serv. FATUS: pp. 19-22. Oct. 1971.

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618. LEMON, ISAAC E. Commercial and Government Program Export Highlights (July-September 1971). Econ. Res. Serv. FATUS: pp. 18-24. Jan. 1972.

619. LEMON, ISAAC E. Export Payment Assistance to U.S. Agricultural Exports, 1970/71. Econ. Res. Serv. FATUS: pp. 34-41. Feb. 1972.

620. LEMON, ISAAC E. Soybeans Account for Fourth of U.S. Agricultural Exports. Econ. Res. Serv. FATUS: pp. 30-54. Mar. 1972.

621. LEMON, ISAAC E. Commercial and Government Program Export Highlights (Calendar Year 1971 and July-December 1971). Econ. Res. Serv. FATUS: pp. 19-44. Apr. 1972.

622. LEMON, ISAAC E. U.S. Grain Exports Under Government Programs, 1970/71. Econ. Res. Serv. FATUS: pp. 24-61. May 1972.

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625. RAHE, DEWAIN H. U.S. Farm Exports Hit New High of $7.8 Billion in 1970/71. Econ. Res. Serv. FATUS: pp. 5-19. Aug. 1971.

626. RAHE, DEWAIN H. U.S. Agricultural Exports to EC Peak at $1.8 Billion in Fiscal 1971. Econ. Res. Serv. FATUS: pp. 5-23. Sept. 1971.

627. RAHE, DEWAIN H. Export Fact Sheet. Econ. Res. Serv. FATUS: pp. 27-31. Oct. 1971.

628. RAHE, DEWAIN H. U.S. Imports of EC Farm Products Gained in 1960's. Econ. Res. Serv. FATUS: pp. 47-50. Nov. 1971.

629. RAHE, DEWAIN H. U.S. Farm Exports to 50 Leading Markets, 1970/71. Econ. Res. Serv. FATUS: pp. 8-23. Dec. 1971.

630. RAHE, DEWAIN H. Second Highest Agricultural Exports in Prospect for 1971/72. Econ. Res. Serv. FATUS: pp. 7-11. Feb. 1972.

631. RAHE, DEWAIN H. Farm Product Exports Set Record in 1971. Econ. Res. Serv. FATUS: pp. 12-24. Feb. 1972.

632. RAHE, DEWAIN H. Top Outlets for U.S. Agricultural Exports in 1971. Econ. Res. Serv. FATUS: pp. 5-23. May 1972.

633. RAHE, DEWAIN H. More EC Farm Products Purchased Since 1960. Econ. Res. Serv. FATUS: pp. 39-42. June 1972.

634. TONTZ, ROBERT L. EC's Common Agricultural Policy Slows U.S. Farm Export Growth. Econ. Res. Serv. FATUS: pp. 6-29. Mar. 1972.

635. TONTZ, ROBERT L. Another Favorable Farm Trade Balance in 1971. Econ. Res. Serv. FATUS: pp. 62-68. May 1972.

636. WARDEN, THOMAS A. U.S. Agricultural Imports Rise 4 Percent in 1970/71. Econ. Res. Serv. FATUS: pp. 20-30. Aug. 1971.

637. WARDEN, THOMAS A. U.S. Imports of Fruits and Vegetables Under Quarantine. Econ. Res. Serv. FATUS: pp. 24-44. Sept. 1971.

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639. WARDEN, THOMAS A. Smaller Farm Trade with Mexico in 1970/71. Econ. Res. Serv. FATUS: pp. 38-46. Nov. 1971.

640. WARDEN, THOMAS A. U.S. Agricultural Exports to COMECON Higher in 1970/71. Econ. Res. Serv. FATUS: pp. 6-12. Jan. 1972.

641. WARDEN, THOMAS A. Agricultural Imports Up 1 Percent in 1971. Econ. Res. Serv. FATUS: pp. 25-33. Feb. 1972.

642. WARDEN, THOMAS A. Principal Suppliers of Agricultural Imports, 1970/71. Econ. Res. Serv. FATUS: pp. 42-62. Feb. 1972.

643. WARDEN, THOMAS A. Agricultural Import Customs Duties Decline Further in 1971. Econ. Res. Serv. FATUS: pp. 11-18. Apr. 1972.

644. WARDEN, THOMAS A. Transshipments of U.S. Farm Products. Econ. Res. Serv. FATUS: pp. 7-38. June 1972.

645. WARDEN, THOMAS A. U.S. Farm Imports Up 30 Percent in 5 Years; Larger Share from Europe. Econ. Res. Serv. FATUS: pp. 43-61. June 1972.

646. The 1971 Agricultural Data Book for the Far East and Oceania. Econ. Res. Serv. ERS-For.-265: 135 pp. Sept. 1971.

647. Agricultural Trade of the Western Hemisphere: A Statistical Review. Econ. Res. Serv. ERS-For.-328: 124 pp. Feb. 1972.

648. Indices of Agricultural Production in Africa and the Near East, 1962-71. Econ. Res. Serv. ERS-For.-265(Rev.): 52 pp. Apr. 1972.

649. Indices of Agricultural Production for East Asia, South Asia, and Oceania. Econ. Res. Serv. (Working Paper): 23 pp. Apr. 1972.

650. Indices of Agricultural Production for the Western Hemisphere (excluding the United States and Cuba), 1962 through 1971. Econ. Res. Serv. ERS-For.-264: 29 pp. Mar. 1972.

AGRICULTURE IN LESS DEVELOPED NATIONS

651. DALRYMPLE, DANA G. Survey of Multiple Cropping in Less Developed Nations. For. Econ. Devlpmt. Serv. FEDR-12: 108 pp. Oct. 1971.

652. DALRYMPLE, DANA G. Imports and Plantings of High-Yielding Varieties of Wheat and Rice in the Less Developed Countries. Econ. Res. Serv. FEDR-14: 56 pp. Feb. 1972.

653. SCHERTZ, LYLE P. Economics of Protein Improvement Programs in the Lower Income Countries. For. Econ. Devlpmt. Serv. FEDR-11: 37 pp. July 1971.

ASSISTANCE FOR AGRICULTURAL DEVELOPMENT ABROAD

654. Adapting and Extending American Agricultural Experience and Capabilities to Improve Food Production and Distribution in Developing Countries. For. Econ. Devlpmt. Serv. (in coop. with Agency for Internatl. Devlpmt.). FEDR-13: 11 pp. Nov. 1971.

655. Multilateral Assistance for Agricultural Development. For. Econ. Devlpmt. Serv. FEDR-10: 43 pp. July 1971.

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